

# THE ASTROPHYSICAL JOURNAL SUPPLEMENT

## AUTHOR INDEX

### VOLUME 154

#### 2004 SEPTEMBER TO OCTOBER

ADELBERGER, K. L. See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

ALCOCK, CHARLES. *Spitzer Space Telescope* Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

ALLEN, L. E. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

ALLEN, LORI. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

ALLEN, LORI E. Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

Infrared Array Camera (IRAC) Colors of Young Stellar Objects. *Lori E. Allen, Nuria Calvet, Paola D'Alessio, Bruno Merin, Lee Hartmann, S. Thomas Megeath, Robert A. Gutermuth, James Muzerolle, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 363 (2004)

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micon All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

See YOUNG, CHADWICK H., et al. A "Starless" Core that Isn't: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

ALONSO-HERRERO, A. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts. *A. Alonso-Herrero, P. G. Pérez-González, J. Ríogy, G. H. Rieke, E. Le Floc'h, P. Barmby, M. J. Page, C. Papovich, H. Dole, E. Egami, J. S. Huang, D. Rigopoulou, D. Cristóbal-Hornillo, C. Eliche-Moral, M. Balcells, M. Prieto, P. Erwin, C. W. Engelbracht, K. D. Gordon, M. Werner, S. P. Willner, G. G. Fazio, D. Frayer, D. Hines, D. Kelly, W. Latter, K. Misselt, S. Miyazaki, J. Morrison, M. J. Rieke, G. Wilson, Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 155 (2004)

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

APPLETON, P. See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

APPLETON, P. N. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey. *P. N. Appleton, D. T. Fadda, F. R. Marleau, D. T. Frayer, G. Helou, J. J. Condon, P. I. Choi, L. Yan, M. Lacy, G. Wilson, L. Armus, S. C. Chapman, F. Fang, I. Heinrichsen, M. Im, B. T. Jannuzzi, L. J. Storrie-Lombardi, D. Shupe, B. T. Soifer, G. Squires, & H. I. Teplitz.* 154, 147 (2004)

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183-7111.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

ARAYA, E. Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz.* 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

ARAYA, ESTEBAN. Studies of Extragalactic Formaldehyde and Radio Recombination Lines. *Esteban Araya, Willem A. Baan, & Peter Hofner*. 154, 541 (2004)

ARENDT, R. G. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

ARMUS, L. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See FRAZER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101. *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart*. 154, 178 (2004)

See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck*. 154, 408 (2004)

ARMUS, LEE. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

Excitation of Molecular Material near the Young Stellar Object LkHα 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus*. 154, 339 (2004)

ASHBY, M. L. N. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

Spatial Distribution of Warm Dust in Early-Type Galaxies. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner*. 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner*. 154, 235 (2004)

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

AUGEREAU, JEAN-CHARLES. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

BAAN, WILLEM A. Studies of Extragalactic Formaldehyde and Radio Recombination Lines. *Esteban Araya, Willem A. Baan, & Peter Hofner*. 154, 541 (2004)

BABEDGE, TOM. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

BABLER, B. L. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

BACKMAN, D. E. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

BACKUS, C. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

BAI, L. See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer Deep Surveys*.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

BAKER, RACHEL I. The COBE DIRBE Point Source Catalog. *Beverly J. Smith, Stephan D. Price, & Rachel I. Baker*. 154, 673 (2004)

BALCELLS, M. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

BANIA, T. M. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

BARMBY, P. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

Deep Mid-Infrared Observations of Lyman Break Galaxies. *P. Barmby, J. S. Huang, G. G. Fazio, J. A. Surace, R. G. Arendt, J. L. Hora, M. A. Pahre, K. L. Adelberger, P. Eisenhardt, D. K. Erb, M. Pettini, W. T. Reach, N. A. Reddy, A. E. Shapley, C. C. Steidel, D. Stern, Z. Wang, & S. P. Willner*. 154, 97 (2004)

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

BARRET, D. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

BARRY, D. J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

BECKWITH, S. V. W. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

BEEMAN, J. W. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

BEI, L. See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protocellipticals.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

BEICHMAN, C. A. See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

BENDO, G. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

BENDO, G. J. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

BENJAMIN, R. A. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

BENNETT, L. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

BERNARD-SALAS, J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

BERNARD-SALAS, JERONIMO. See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

BERTA, STEFANO. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

BERTOLDI, F. See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protocellipticals.

BERTOLDI, FRANK. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

BHATTACHARYA, B. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

BLACKEN, C. E. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

BLAKE, GEOFFREY A. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

BLAKESLEE, JOHN P. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

BLAYLOCK, M. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

BOOGERT, A. C. ADWIN. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Adwin Boogert, Klaus M. Pontoppidan, Fred Lahuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheijde, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Pudgett, Anneila I. Sargent, & Karl R. Stapelfeldt.* 154, 359 (2004)

BOOGERT, ADWIN. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

BOULANGER, F. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

BOURKE, TYLER L. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

BOUWMAN, J. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

BRANDL, B. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

BRANDL, B. R. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Microns with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

*Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714. *B. R. Brandl, D. Devost, S. J. U. Higdon, V. Charmandaris, D. Weedman, H. W. W. Spoon, T. L. Herter, L. Hao, J. Bernard-Salas, J. R. Houck, L. Armus, B. T. Soifer, C. J. Grillmair, & P. N. Appleton.* 154, 188 (2004)

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

BRANDL, BERNHARD R. See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

BODWIN, M. See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

BROOKE, T. Y. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

BROOKE, TIMOTHY Y. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

BROWN, JOANNA. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

BROWN, M. J. I. See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

BROWNSBERGER, KEN. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the FUSE Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn.* 154, 651 (2004)

BURGDORF, M. J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

BURGDORF, MARTIN J. See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

CADEN, J. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

CALVET, N. See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

CALVET, NURIA. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

CALZETTI, D. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

CALZETTI, DANIELA. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

CAMI, J. See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

CAREY, S. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

CAREY, SEAN. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula. *Is the Cepheus E Outflow Driven by a Class 0 Protostar? Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

CAREY, SEAN J. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

CARPENTER, J. M. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

CASERTANO, S. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

CATELAN, M. The RR Lyrae Period-Luminosity Relation. I. Theoretical Calibration. *M. Catelan, Barton J. Pritzl, & Horace A. Smith.* 154, 633 (2004)

CHAPMAN, NICHOLAS. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

CHAPMAN, S. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2?

CHAPMAN, S. C. See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

CHAPMAN, SCOTT. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

CHARMANDARIS, V. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ . *V. Charmandaris, K. I. Uchida, D. Weedman, T. Herter, J. R. Houck, H. I. Teplitz, L. Armus, B. R. Brandl, S. J. U. Higdon, B. T. Soifer, P. N. Appleton, J. van Cleve, & J. L. Higdon.* 154, 142 (2004)

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck*. 154, 408 (2004)

CHARMANDARIS, VASSILIS. See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

CHARY, R. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1. *R. Chary, S. Casertano, M. E. Dickinson, H. C. Ferguson, P. R. M. Eisenhardt, D. Elbaz, N. A. Grogan, L. A. Moustakas, W. T. Reach, & H. Yan*. 154, 80 (2004)

CHEN, C. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

CHEN, C. H. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

CHIAR, J. E. See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

CHOI, P. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

CHOI, P. I. See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

CHOI, PHILIP I. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2?

CHURCHWELL, E. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*. *E. Churchwell, B. A. Whitney, B. L. Babler, R. Indebetouw, M. R. Meade, Christen Watson, M. J. Wolff, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, Martin Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy*. 154, 322 (2004)

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz*. 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz*. 154, 579 (2004)

CHURCHWELL, E. B. See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

CIEZA, LUCAS. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

CIMATTI, A. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

CLEMENS, D. P. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

COHANIM, BABAK E. The Design of Radio Telescope Array Configurations Using Multiobjective Optimization: Imaging Performance versus Cable Length. *Babak E. Cohanim, Jacqueline N. Hewitt, & Olivier de Weck*. 154, 705 (2004)

COHEN, M. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

COHEN, MARTIN. See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

COLE, D. M. See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

CONDON, J. J. See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

CONNAUGHTON, V. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

CONROW, TIM. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

COTÉ, PATRICK. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

CRAPSI, ANTONIO. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

CRISTÓBAL-HORNILLOS, D. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

CROWTHER, PAUL A. *Spitzer Space Telescope* Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). *Patrick W. Morris, Paul A. Crowther, & Jim R. Houck*. 154, 413 (2004)

An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownberger, Derck L. Massa, & Nolan R. Walborn*. 154, 651 (2004)

CRUIKSHANK, D. P. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

CUILLANDRE, JEAN-CHARLES. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

CUSHING, M. C. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

DADDI, E. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

DALE, D. A. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

DALE, DANIEL A. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

D’ALESSIO, P. See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

D’ALESSIO, PAOLA. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

DAVOODI, PAYAM. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

DECIN, L. MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

DEL CARMEN POLLETTA, MARIA. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

DEUTSCH, L. K. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

DEUTSCH, LYNN K. Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

DEVINE, K. E. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

DEVOST, D. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

DEVOST, DANIEL. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio. *Daniel Devost, Bernhard R. Brandl, L. Armus, D. J. Barry, G. C. Sloan, Vassilis Charmandaris, Henrik Spoon, Jeronimo Bernard-Salas, & James R. Houck.* 154, 242 (2004)

DEVRIES, CHRISTOPHER H. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

DE WECK, OLIVIER. The Design of Radio Telescope Array Configurations Using Multiobjective Optimization: Imaging Performance versus Cable Length. *Babak E. Cahanian, Jacqueline N. Hewitt, & Olivier de Weck.* 154, 705 (2004)

DEY, A. See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

DICKEY, J. M. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

DICKINSON, M. E. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

DI SEREGO ALIGHIERI, S. See PIRZKAH, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

DOLE, H. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys. *H. Dole, E. Le Floc'h, P. G. Pérez-González, C. Papovich, E. Egan, G. Lagache, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, D. C. Hines, O. Krause, K. A. Misselt, J. E. Morrison, G. H. Rieke, M. J. Rieke, J. R. Rigby, E. T. Young, L. Bai, M. Blaylock, G. Neugebauer, C. A. Beichman, D. T. Frayer, J. R. Mould, & P. L. Richards.* 154, 87 (2004)

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

DOLE, HERVE. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

DOMINGO, G. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

DRAINE, B. T. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

DROZDovsky, I. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

DULLEMOND, C. P. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

DULLEMOND, CORNELIS P. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

EGAMI, E. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies. *E. Egan, H. Dole, J. S. Huang, P. Pérez-González, E. Le Floc'h, C. Papovich, P. Barmby, R. J. Ivison, S. Serjeant, A. Mortier, D. T. Frayer, D. Rigopoulou, G. Lagache, G. H. Rieke, S. P. Willner, A. Alonso-Herrero, L. Bai, C. W. Engelbracht, G. G. Fazio, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, M. J. Rieke, J. R. Rigby, & G. Wilson.* 154, 130 (2004)

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

EICHORN, W. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

EISENARDT, P. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

EISENHARDT, P. R. The Infrared Array Camera (IRAC) Shallow Survey. *P. R. Eisenhardt, D. Stern, M. Brodwin, G. G. Fazio, G. H. Rieke, M. J. Rieke, M. W. Werner, E. L. Wright, L. E. Allen, R. G. Arendt, M. L. N. Ashby, P. Barmby, W. J. Forrest, J. L. Hora, J. S. Huang, J. Huchra, M. A. Pahre, J. L. Pipher, W. T. Reach, H. A. Smith, J. R. Stauffer, Z. Wang, S. P. Willner, M. J. I. Brown, A. Dey, B. T. Jannuzi, & G. P. Tiede.* 154, 48 (2004)

EISENHARDT, P. R. M. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

ELBAZ, D. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

ELICHE-MORAL, C. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

ELLIOT, J. L. See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacaal Background.

EMERY, J. P. See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

ENGELBRACHT, C. W. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERIANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

Far-Infrared Imaging of NGC 55. *C. W. Engelbracht, K. D. Gordon, G. J. Bendo, P. G. Pérez-González, K. A. Misselt, G. H. Rieke, E. T. Young, D. C. Hines, D. M. Kelly, J. A. Stansberry, C. Papovich, J. E. Morrison, E. Egami, K. Y. L. Su, J. Muzerolle, H. Dole, A. Alonso-Herrero, J. L. Hinz, P. S. Smith, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, J. Rho, D. T. Frayer, & S. Wachter.* 154, 248 (2004)

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

ENGELBRACHT, CHAD W. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

ERB, D. K. See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

ERWIN, P. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

EVANS, NEAL J., II. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

FADDA, D. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

FADDA, D. T. See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

FADDA, DARIO. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

FAJARDO-ACOSTA, S. B. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

FAJARDO-ACOSTA, SERGIO. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

FAN, F. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

FANG, F. See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

FANG, FAN. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey. *Fan Fang, David L. Shupe, Gillian Wilson, Mark Lacy, Dario Fadda, Tom Jarrett, Frank Masci, P. N. Appleton, Lee Armus, Scott Chapman, Philip I. Choi, D. T. Frayer, Ingolf Heinrichsen, George Helou, Myungshin Im, Francine R. Marleau, B. T. Soifer, Gordon K. Squires, L. J. Storrie-Lombardi, Jason Surace, Harry I. Teplitz, & Lin Yan.* 154, 35 (2004)

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

FANG, LI-ZHI. The Statistical Discrepancy between the Intergalactic Medium and Dark Matter Fields: One-Point Statistics. *Jesús Pando, Long-long Feng, & Li-Zhi Fang.* 154, 475 (2004)

FARRAH, DUNCAN. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

FAZIO, G. See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

FAZIO, G. G. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*. *G. G. Fazio, J. L. Hora, L. E. Allen, M. L. N. Ashby, P. Barmby, L. K. Deutsch, J. S. Huang, S. Kleiner, M. Marengo, S. T. Megeath, G. J. Melnick, M. A.*

Pahre, B. M. Patten, J. Polizzetti, H. A. Smith, R. S. Taylor, Z. Wang, S. P. Willner, W. F. Hoffmann, J. L. Pipher, W. J. Forrest, C. W. McMurry, C. R. McCreight, M. E. McKelvey, R. E. McMurray, D. G. Koch, S. H. Moseley, R. G. Arendt, J. E. Mentzell, C. T. Marx, P. Losch, P. Mayman, W. Eichhorn, D. Krebs, M. Jhabvala, D. Y. Gezari, D. J. Fixsen, J. Flores, K. Shakozae, R. Jungo, C. Hakun, L. Workman, G. Karpati, R. Kichak, R. Whitley, S. Mann, E. V. Tollestrup, P. Eisenhardt, D. Stern, V. Gorjian, B. Bhattacharya, S. Carey, B. O. Nelson, W. J. Glaccum, M. Lacy, P. J. Lowrance, S. Laine, W. T. Reach, J. A. Stauffer, J. A. Surace, G. Wilson, E. L. Wright, A. Hoffman, G. Domingo, & M. Cohen. 154, 10 (2004)

Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*. G. G. Fazio, M. L. N. Ashby, P. Barmby, J. L. Hora, J. S. Huang, M. A. Pahre, Z. Wang, S. P. Willner, R. G. Arendt, S. H. Moseley, M. Brodwin, P. Eisenhardt, Daniel Stern, E. V. Tollestrup, & E. L. Wright. 154, 39 (2004)

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERIEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERREDO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

Spatial Distribution of Warm Dust in Early-Type Galaxies. Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner. 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner. 154, 235 (2004)

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

FAZIO, GIOVANNI G. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio. 154, 374 (2004)

FENG, LONG-LONG. The Statistical Discrepancy between the Intergalactic Medium and Dark Matter Fields: One-Point Statistics. Jesu Pando, Long-long Feng, & Li-Zhi Fang. 154, 475 (2004)

FERGUSON, H. C. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

FERNANDEZ, Y. R. See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

FERRARESE, LAURA. See JORDAN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

FINGER, M. H. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

FISHMAN, G. J. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

FIXSEN, D. J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack. 154, 493 (2004)

FLORES, J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

FORREST, W. J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers. 154, 443 (2004)

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

FRANCESCHINI, ALBERTO. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

FRANK, A. See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

FRAYER, D. See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See ALONSO-HERREDO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

FRAYER, D. T. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field. D. T. Frayer, S. C. Chapman, L. Yan, L. Armus, G. Helou, D. Fadda, R. Morganti, M. A. Garrett, P. Appleton, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, F. Marleau, F. J. Masci, D. L. Shupe, B. T. Soifer, G. K. Squires, L. J. Storrie-Lombardi, J. A. Surace, H. I. Teplitz, & G. Wilson. 154, 137 (2004)

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

FRAYER, DAVE. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

FULLERTON, ALEX W. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownberger, Derck L. Massa, & Nolan R. Walborn.* 154, 651 (2004)

FURLAN, E. See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydreae Association.

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

FURLAN, ELISE. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

GALLAGHER, D. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

GARDNER, JONATHAN P. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

GARRETT, M. A. See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

GAUTIER, NICK. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

GAUTIER, T. N. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

GEERS, VINCENT. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

GEHRZ, R. D. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission. See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33. See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

GEZARI, D. Y. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

GHOSH, KAJAL K. The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. *Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu.* 154, 519 (2004)

GILLI, R. See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

GIORGINI, J. D. See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

GLACCUM, W. J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

GONZÁLEZ, R. F. Models for the Infrared Cavity of HH 46/47. *A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Velázquez.* 154, 346 (2004)

GONZALEZ-SOLARES, EDUARDO. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

GORDON, K. See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

GORDON, K. D. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \approx 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81. *K. D. Gordon, P. G. Pérez-González, K. A. Misselt, E. J. Murphy, G. J. Bendo, F. Walter, M. D. Thornley, R. C. Kennicutt, Jr., G. H. Rieke, C. W. Engelbracht, J. D. T. Smith, A. Alonso-Herrero, P. N. Appleton, D. Calzetti, D. A. Dale, B. T. Draine, D. T. Frayer, G. Helou, J. L. Hinz, D. C. Hines, D. M. Kelly, J. E. Morrison, J. Muzerolle, M. W. Regan, J. A. Stansberry, S. R. Stolovy, L. J. Storrie-Lombardi, K. Y. L. Su, & E. T. Young.* 154, 215 (2004)

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

GORDON, KARL D. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

GORJAN, V. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

GORLOVA, NADYA. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years. *Nadya Gorlova, Deborah L. Padgett, George H. Rieke, James Muzerolle, Jane E. Morrison, Karl D. Gordon, Chad W. Engelbracht, Dean C. Hines, Joannah C. Hinz, Alberto Noriega-Crespo, Luisa Rebull, John A. Stansberry, Karl R. Stapelfeldt, Kate Y. L. Su, & Erick T. Young.* 154, 448 (2004)

GORTI, U. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

GREEN, J. See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydreae Association.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

GREEN, J. D. See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

GREEN, JOEL D. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

GREVE, T. R. See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

GRiffin, MATT. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

GRILLMAIR, C. See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

GRILLMAIR, C. J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

GRINDLAY, J. E. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

GROGIN, N. A. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

GRONWALL, C. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

GULL, G. E. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

GUTERMUTH, R. A. See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

GUTERMUTH, ROBERT A. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

HAIMAN, Z. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

HAKUN, C. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

HALL, P. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydreae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

HALLER, E. E. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

HAO, L. See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High-z Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

HARMON, B. A. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. *B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Burret.* 154, 585 (2004)

HARTMANN, L. See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydreae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

HARTMANN, LEE. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

HARVEY, PAUL M. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

HEINRICHSEN, I. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See FAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

HEINRICHSEN, INGOLF. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

HEITSCH, F. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

HELOU, G. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See FAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81. The Anatomy of Star Formation in NGC 300. *G. Helou, H. Roussel, P. Appleton, D. Frayer, S. Stolovy, L. Storrie-Lombardi, R. Hurt, P. Lowrance, D. Makovoz, F. Masci, J. Surace, K. D. Gordon, A. Alonso-Herrero, C. W. Engelbracht, K. Misselt, G. Rieke, M. Rieke, S. P. Willner, M. Pahre, M. L. N. Ashby, G. G. Fazio, & H. A. Smith.* 154, 253 (2004)

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

HELOU, GEORGE. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

HENDERSON, C. P. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

HENDERSON, D. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

HENNING, T. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

HENZE, W. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

HERTER, T. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

HERTER, T. L. See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

HERTER, TERRY L. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

HEWITT, JACQUELINE N. The Design of Radio Telescope Array Configurations Using Multiobjective Optimization: Imaging Performance versus Cable Length. *Babak E. Cahanim, Jacqueline N. Hewitt, & Olivier de Weck*. 154, 705 (2004)

HIGDON, J. See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

HIGDON, J. L. See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

HIGDON, S. J. U. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao. 154, 174 (2004)

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

HILLEBRAND, L. A. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

HINES, D. See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

HINES, D. C. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS). D. C. Hines, G. H. Rieke, K. D. Gordon, J. Rho, K. A. Misselt, C. E. Woodward, M. W. Werner, O. Krause, W. B. Latter, C. W. Engelbracht, E. Egami, D. M. Kelly, J. Muzerolle, J. A. Stansberry, K. Y. L. Su, J. E. Morrison, E. T. Young, A. Noriega-Crespo, D. L. Padgett, R. D. Gehrz, E. Polomski, J. W. Beeman, & E. E. Haller. 154, 290 (2004)

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

HINES, DEAN C. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

HINZ, J. L. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55. Energy Sources for the Far-Infrared Emission of M33. J. L. Hinz, G. H. Rieke, K. D. Gordon, P. G. Pérez-González, C. W. Engelbracht, A. Alonso-Herrero, J. E. Morrison, K. Misselt, D. C. Hines, R. D. Gehrz, E. Polomski, C. E. Woodward, R. M. Humphreys, M. W. Regan, J. Rho, J. W. Beeman, & E. E. Haller. 154, 259 (2004)

HINZ, JOANNAH C. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

HOARD, D. W. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

HOFFMAN, A. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

HOFFMAN, W. F. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

HOFFMANN, W. F. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

HOFNER, P. Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz. 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz. 154, 579 (2004)

HOFNER, PETER. Studies of Extragalactic Formaldehyde and Radio Recombination Lines. Esteban Araya, Willem A. Baan, & Peter Hofner. 154, 541 (2004)

HOGERHEIJDE, MICHAEL R. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

HOLLENBACH, D. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

HOLLENBACH, D. J. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

HOLMES, E. K. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

HORA, J. L. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

HORA, JOSEPH L. Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutscher, & Judith L. Pipher.* 154, 296 (2004)

HOUCK, J. R. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *J. R. Houck, T. L. Roellig, J. van Cleve, W. J. Forrest, T. Herter, C. R. Lawrence, K. Matthews, H. J. Reitsma, B. T. Soifer, D. M. Watson, D. Weedman, M. Huisjen, J. Troeltzsch, D. J. Barry, J. Bernard-Salas, C. E. Blacken, B. R. Brandl, V. Charmandaris, D. Devost, G. E. Gull, P. Hall, C. P. Henderson, S. J. U. Higdon, B. E. Pirger, J. Schoenwald, G. C. Sloan, K. I. Uchida, P. N. Appleton, L. Armus, M. J. Burgdorf, S. B. Fajardo-Acosta, C. J. Grillmair, J. G. Ingalls, P. W. Morris, & H. I. Teplitz.* 154, 18 (2004)

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar 08279+5255.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052. *J. R. Houck, V. Charmandaris, B. R. Brandl, D. Weedman, T. Herter, L. Armus, B. T. Soifer, J. Bernard-Salas, H. W. W. Spoon, D. Devost, & K. I. Uchida.* 154, 211 (2004)

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

HOUCK, JAMES R. See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

HOUCK, JIM R. *Spitzer Space Telescope* Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). *Patrick W. Morris, Paul A. Crowther, & Jim R. Houck.* 154, 413 (2004)

HUANG, J. S. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

Infrared Array Camera (IRAC) Imaging of the Lockman Hole. *J. S. Huang, P. Barmby, G. G. Fazio, S. P. Willner, G. Wilson, D. Rigopoulou, A. Alonso-Herrero, H. Dole, E. Egami, E. Le Floc'h, C. Papovich, P. G. Pérez-González, J. Rigby, C. W. Engelbracht, K. Gordon, D. Hines, M. Rieke, G. H. Rieke, K. Meisenheimer, & S. Miyazaki.* 154, 44 (2004)

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

HUARD, TRACY. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

HUCHRA, J. See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

HUGHES, SHAUN. The Period-Luminosity Relation for Long-Period Variables in M31. *Jeremy Mould, Abhijit Saha, & Shaun Hughes.* 154, 623 (2004)

HUISJEN, M. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

HUMPHREYS, R. M. See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

HURT, R. See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

HURT, ROBERT L. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

HUTCHINGS, JOHN B. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn.* 154, 651 (2004)

IM, M. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2?

See FAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

IM, MYUNGSHIN. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

INDEBETOUW, R. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

INGALLS, J. G. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

INGALLS, JAMES G. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey. *James G. Ingalls, M. A. Miville-Deschénes, William T. Reach, A. Noriega-Crespo, Sean J. Carey, F. Boulanger, S. R. Stolovy, Deborah L. Padgett, M. J. Burgdorf, S. B. Fajardo-Acosta, W. J. Glaccum, G. Helou, D. W. Hoard, J. Karr, J. O’Linger, L. M. Rebull, J. Rho, J. R. Stauffer, & S. Wachter.* 154, 281 (2004)

IRACE, W. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

IVISON, R. J. See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

*Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals. *R. J. Ivison, T. R. Greve, S. Serjeant, F. Bertoldi, E. Egami, A. M. J. Mortier, A. Alonso-Herrero, P. Barnaby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, J. S. Huang, E. Le Floc’h, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, G. H. Rieke, J. Rigby, D. Rigopoulou, I. Smail, G. Wilson, & S. P. Willner.* 154, 124 (2004)

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

JACKSON, J. M. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

JANNUZI, B. T. See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

JARRETT, T. H. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

JARRETT, THOMAS H. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

JARRETT, TOM. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

JHABVALA, M. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

JORDÁN, ANDRÉS. The ACS Virgo Cluster Survey. II. Data Reduction Procedures. *Andrés Jordán, John P. Blakeslee, Eric W. Peng, Simona Mei, Patrick Côté, Laura Ferrarese, John L. Tonry, David Merritt, Miloš Milosavljević, & Michael J. West.* 154, 509 (2004)

JØRGENSEN, JES K. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

JUNGO, R. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

JURA, M. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars. *M. Jura, C. H. Chen, E. Furlan, J. Green, B. Sargent, W. J. Forrest, D. M. Watson, D. J. Barry, P. Hall, T. L. Herter, J. R. Houck, G. C. Sloan, K. Uchida, P. D’Alessio, B. R. Brandl, L. D. Keller, F. Kemper, P. Morris, J. Najita, N. Calvet, L. Hartmann, & P. C. Myers.* 154, 453 (2004)

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

KALLIVAYALIL, NITYA. *Spitzer Space Telescope* Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

KARPATI, G. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

KARR, J. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

KAUFFMANN, JENS. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

KEANE, J. V. See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

KEENE, J. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

KEENE, JOCELYN. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

KELLER, L. D. See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

KELLER, LUKE D. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

KELLY, D. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

KELLY, D. M. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

KEMPER, F. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

KENNICUTT, R. C., JR. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

KENNICUTT, ROBERT C., JR. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

KESSLER-SILACCI, JACQUELINE. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

KEWLEY, L. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

KICHAK, R. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

KIM, J. S. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

KIRKPATRICK, J. D. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

KLEINER, S. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

KNEZ, CLAUDIA. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

KOBULNICKY, H. A. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

KOCH, D. G. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

KOEKEMOER, A. M. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

KOERNER, DAVID W. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

KOGUT, A. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack.* 154, 493 (2004)

KRAUSE, O. See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

KREBS, D. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

KÜMMEL, M. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

KURTZ, S. Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz.* 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

LACY, M. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey. *M. Lacy, L. J. Storrie-Lombardi, A. Sajina, P. N. Appleton, L. Armus, S. C. Chapman, P. I. Choi, D. Fadda, F. Fang, D. T. Frayer, I. Heinrichsen, G. Helou, M. Im, F. R. Marleau, F. Masci, D. L. Shupe, B. T. Soifer, J. Surace, H. I. Teplitz, G. Wilson, & L. Yan.* 154, 166 (2004)

LACY, MARK. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

LADA, C. J. See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

LAGACHE, G. See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ . *G. Lagache, H. Dole, J. L. Puget, P. G. Pérez-González, E. Le Floc'h, G. H. Rieke, C. Papovich, E. Egami, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, K. A. Misselt, & J. E. Morrison.* 154, 112 (2004)

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

LAHUIS, FRED. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

LAI, SHIH-PING. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

LAINE, S. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

LATTER, W. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

LATTER, W. B. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

LATTER, WILLIAM B. Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

LAWRENCE, C. R. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See HOUC, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

LEE, CHANG WON. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

LE FLOC'H, E. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protocellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ . *E. Le Floc'h, P. G. Pérez-González, G. H. Rieke, C. Papovich, J. S. Huang, P. Barmby, H. Dole, E. Egami, A. Alonso-Herrero, G. Wilson, S. Miyazaki, J. R. Rigby, L. Bei, M. Blaylock, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Muzerolle, M. J. Rieke, D. Rigopoulou, K. Y. L. Su, S. P. Willner, & E. T. Young.* 154, 170 (2004)

LEGGETT, S. K. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

LEITHERER, C. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

LEVIN, S. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack.* 154, 493 (2004)

LI, A. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

LIMON, M. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack*. 154, 493 (2004)

LINZ, H. A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz*. 154, 579 (2004)

LONSDALE, CAROL. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations. *Carol Lonsdale, María del Carmen Polletta, Jason Surace, Dave Shupe, Fan Fang, C. Kevin Xu, Harding E. Smith, Brian Stiana, Michael Rowan-Robinson, Tom Babbedge, Seb Oliver, Francesca Pozzi, Payam Davoodi, Frazer Owen, Deborah Padgett, Dave Frayer, Tom Jarrett, Frank Masci, JoAnne O’Linger, Tim Conrow, Duncan Farrah, Glenn Morrison, Nick Gautier, Alberto Franceschini, Stefano Berta, Ismael Perez-Fournon, Hervé Dole, Gordon Stacey, Steve Serjeant, Marguerite Pierre, Matt Griffin, & Rick Puettner*. 154, 54 (2004)

LOSCH, P. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

LOW, F. J. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

LOWRANCE, P. See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

LOWRANCE, P. J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

LOWRANCE, PATRICK. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

LU, N. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

LU, NANYAO. *Spitzer Space Telescope* View of Diffuse Near-Infrared Continuum Emission in the Galaxy. *Nanyao Lu*. 154, 286 (2004)

LUBIN, P. M. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack*. 154, 493 (2004)

LUNINE, J. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

MAINZER, A. K. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

MAIOLINO, R. See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

MAKOVZ, D. See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

MALHOTRA, R. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

MALHOTRA, S. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

MAMAJEK, E. E. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

MANN, S. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MARENGO, M. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry*. 154, 309 (2004)

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

MARENGO, MASSIMO. Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher*. 154, 296 (2004)

MARLEAU, F. See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

MARLEAU, F. R. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

MARLEAU, FRANCINE R. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey. *Francine R. Marleau, D. Fadda, L. J. Storrie-Lombardi, G. Helou, D. Makovoz, D. T. Frayer, L. Yan, P. N. Appleton, L. Armus, S. Chapman, P. J. Choi, F. Fang, J. Heinrichsen, M. Im, M. Lacy, D. Shupe, B. T. Soifer, G. Squires, J. Surace, H. I. Teplitz, & G. Wilson*. 154, 66 (2004)

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

Excitation of Molecular Material near the Young Stellar Object LkHα 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus*. 154, 339 (2004)

See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

MARLEY, M. S. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

MARSTON, A. P. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

DR 21: A Major Star Formation Site Revealed by *Spitzer*. *A. P. Marston, W. T. Reach, A. Noriega-Crespo, J. Rho, H. A. Smith, G. Melnick, G. Fazio, G. Rieke, S. Carey, L. Rebull, J. Muzerolle, E. Egami, D. M. Watson, J. L. Pipher, W. B. Latter, & K. Stapelfeldt*. 154, 333 (2004)

MARSTON, ANTHONY. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

MARX, C. T. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MASCI, F. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

MASCI, F. J. See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

MASCI, FRANK. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

MASSA, DERCK L. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn*. 154, 651 (2004)

MATHIS, J. S. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

MATTHEWS, K. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

MAYMAN, P. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MCCOLLOUGH, M. L. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

MCCREIGHT, C. R. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MCKELVEY, M. E. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MCMURRAY, R. E. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MCMURTY, C. W. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MEADE, M. R. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

MEADOWS, V. S. See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacial Background. *V. S. Meadows, B. Bhattacharya, W. T. Reach, C. Grillmair, A. Noriega-Crespo, E. L. Ryan, S. R. Tyler, L. M. Rebull, J. D. Giorgini, & J. L. Elliot*. 154, 469 (2004)

MEGEATH, S. T. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio*. 154, 367 (2004)

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

MEGEATH, S. THOMAS. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio*. 154, 374 (2004)

MEGEATH, T. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

MEI, SIMONA. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

MEISENHEIMER, K. See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

MELNICK, G. See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

MELNICK, G. J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MENTZELL, J. E. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

MERCER, E. P. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

Discovery of a Distant Star Formation Region Using GLIMPSE. *E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell*. 154, 328 (2004)

MERIN, BRUNO. See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

MERRITT, DAVID. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

METCHEV, S. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

MEYER, M. J. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

MEYER, M. R. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program. *M. R. Meyer, L. A. Hillenbrand, D. E. Backman, S. V. W. Beckwith, J. Bouwman, T. Y. Brooke, J. M. Carpenter, M. Cohen, U. Gorti, T. Henning, D. C. Hines, D. Hollenbach, J. S. Kim, J. Lunine, R. Malhotra, E. E. Mamajek, S. Metchev, A. Moro-Martin, P. Morris, J. Najita, D. L. Padgett, J. Rodmann, M. D. Silverstone, D. R. Soderblom, J. R. Stauffer, E. B. Stobie, S. E. Strom, D. M. Watson, S. J. Weidenschilling, S. Wolf, E. Young, C. W. Engelbracht, K. D. Gordon, K. Misselt, J. Morrison, J. Muzerolle, & K. Su*. 154, 422 (2004)

MILOSAVLJEVIĆ, MILOŠ. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

MIREL, P. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack*. 154, 493 (2004)

MISSELT, K. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

MISSELT, K. A. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

MIVILLE-DESCHENES, M. A. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

MIYAZAKI, S. See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

MORGANTI, R. See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

MORO-MARTIN, A. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

MORO-MARTIN, AMAYA. Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martin, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle*. 154, 402 (2004)

MORRIS, P. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

MORRIS, P. W. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar 0PM 08279+5255.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry*. 154, 271 (2004)

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry*. 154, 309 (2004)

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck*. 154, 408 (2004)

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

MORRIS, PAT. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

MORRIS, PATRICK. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

MORRIS, PATRICK W. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

Excitation of Molecular Material near the Young Stellar Object LkHα 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus*. 154, 339 (2004)

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martin, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle*. 154, 402 (2004)

*Spitzer Space Telescope* Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). *Patrick W. Morris, Paul A. Crowther, & Jim R. Houck*. 154, 413 (2004)

MORRISON, GLENN. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

MORRISON, J. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

MORRISON, J. E. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

MORRISON, JANE E. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

MORTIER, A. See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

MORTIER, A. M. J. See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

MOSELEY, S. H. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

MOULD, J. See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

MOULD, J. R. See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

MOULD, JEREMY. The Period-Luminosity Relation for Long-Period Variables in M31. *Jeremy Mould, Abhijit Saha, & Shaun Hughes*. 154, 623 (2004)

MOUSTAKAS, L. A. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

MUENCH, A. See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

MUNDY, LEE G. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK, H., et al. A "Starless" Core that Isn't: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

MURPHY, E. J. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

MUZEROLLE, J. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

The 24 Micron View of Embedded Star Formation in NGC 7129. *J. Muzerolle, S. T. Megeath, R. A. Gutermuth, L. E. Allen, J. L. Pipher, L. Hartmann, K. D. Gordon, D. L. Padgett, A. Noriega-Crespo, P. C. Myers, G. G. Fazio, G. H. Rieke, E. T. Young, J. E. Morrison, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, & K. A. Misselt.* 154, 379 (2004)

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

MUZEROLLE, JAMES. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

MYERS, P. C. See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

MYERS, PHILIP C. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

See YOUNG, CHADWICK H., et al. A "Starless" Core that Isn't: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

NAJITA, J. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

NELSON, B. O. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

NEUGEBAUER, G. See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

NGUYEN, HIEN T. *Spitzer Space Telescope* Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

NORIEGA-CRESPO, A. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See ENGELBRACH, C. W., et al. Far-Infrared Imaging of NGC 55.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

Models for the Infrared Cavity of HH 46/47. *A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Velázquez.* 154, 346 (2004)

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacial Background.

NORIEGA-CRESPO, ALBERTO. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

Excitation of Molecular Material near the Young Stellar Object LkH $\alpha$  234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 339 (2004)

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. *Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke.* 154, 352 (2004)

See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

O'LINGER, J. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

O'LINGER, JOANNE. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

OLIVER, SEB. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey. *Seb Oliver, Ian Waddington, Eduardo Gonzalez-Solares, Jason Surace, Fan Fang, Dave Shupe, Tom Jarrett, Carol Lonsdale, Cong (Kevin) Xu, Duncan Farrah, Malcom Salaman, Michael Rowan-Robinson, Brian Siana, & H. E. (Gene) Smith.* 154, 30 (2004)

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

OLMI, L. A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

OWEN, FRAZER. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

PACIESAS, W. S. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

PADGETT, D. L. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

PADGETT, DEBORAH. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

PADGETT, DEBORAH L. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle*. 154, 402 (2004)

An Aggregate of Young Stellar Disks in Lynds 1228 South. *Deborah L. Padgett, L. M. Rebull, A. Noriega-Crespo, Sean J. Carey, Karl R. Stapelfeldt, John R. Stauffer, Martin J. Burgdorf, D. M. Cole, S. B. Fajardo-Acosta, D. T. Frayer, G. Helou, D. W. Hoard, J. Karr, W. B. Latter, P. J. Lowrance, J. O’Linger, F. Masci, S. Ramirez, W. T. Reach, Jeonghee Rho, S. R. Stolovy, & S. Wachter*. 154, 433 (2004)

See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

PAGE, M. J. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

PAHRE, M. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

PAHRE, M. A. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

PAHRE, MICHAEL A. Spatial Distribution of Warm Dust in Early-Type Galaxies. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner*. 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner*. 154, 235 (2004)

PANAGIA, N. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

PANDO, JESÚS. The Statistical Discrepancy between the Intergalactic Medium and Dark Matter Fields: One-Point Statistics. *Jesús Pando, Long-long Feng, & Li-Zhi Fang*. 154, 475 (2004)

PAPOVICH, C. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys. *C. Papovich, H. Dole, E. Egami, E. Le Floc’h, P. G. Pérez-González, A. Alonso-Herrero, L. Bai, C. A. Beichman, M. Blaylock, C. W. Engelbracht, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Mould, J. Muzerolle, G. Neugebauer, P. L. Richards, G. H. Rieke, M. J. Rieke, J. R. Rigby, K. Y. L. Su, & E. T. Young*. 154, 70 (2004)

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoclusters.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC’H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

PASQUALI, A. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

PATTEN, B. M. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

PATTEN, BRIAN M. *Spitzer Space Telescope* Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern*. 154, 266 (2004)

PEETERS, E. See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

PENG, ERIC W. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

PÉREZ-FOURNON, ISMAEL. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

PÉREZ-GONZÁLEZ, P. See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

PÉREZ-GONZÁLEZ, P. G. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoclusters.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC’H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

PESENSON, M. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

PETERSON, B. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

PETTINI, M. See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

PIERRE, MARGUERITE. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

PIPER, J. L. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

See MEGEATH, S. T., et al. Initial Results from The *Spitzer* Young Stellar Cluster Survey.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

PIPER, JUDITH L. Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

See ALLEN, LORI E., et al. Infrared Array Camera (IRAC) Colors of Young Stellar Objects.

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

PIRGER, B. E. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

PIRZKAL, N. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction. *N. Pirzkal, C. Xu, S. Malhotra, J. E. Rhoads, A. M. Koekemoer, L. A. Moustakas, J. R. Walsh, R. A. Windhorst, E. Daddi, A. Cimatti, H. C. Ferguson, Jonathan P. Gardner, C. Gronwall, Z. Haiman, M. Kümmel, N. Panagia, A. Pasquali, M. Stiavelli, S. di Serego Alighieri, Z. Tsvetanov, J. Vernet, & H. Yan.* 154, 501 (2004)

POLIZOTTI, J. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

POLOMSKI, E. See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

PONTOPPIDAN, KLAUS. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

PONTOPPIDAN, KLAUS M. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

PORRAS, ALICIA. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

POTTASCH, S. R. *Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

POZZI, FRANCESCA. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

PRICE, STEPHAN D. The COBE DIRBE Point Source Catalog. *Beverly J. Smith, Stephan D. Price, & Rachel I. Baker.* 154, 673 (2004)

PRIETO, M. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

PRITZL, BARTON J. The RR Lyrae Period-Luminosity Relation. I. Theoretical Calibration. *M. Catelan, Barton J. Pritzl, & Horace A. Smith.* 154, 633 (2004)

PUEITTER, RICK. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

PUGET, J. L. See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

RAGA, A. C. Models for the Infrared Cavity of HH 46/47. *A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Velázquez.* 154, 346 (2004)

RAMIREZ, S. See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

RATHBORNE, J. M. See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

REACH, W. T. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

REACH, WILLIAM T. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

Protostars in the Elephant Trunk Nebula. *William T. Reach, Jeonghee Rho, Erick Young, James Muzerolle, Sergio Fajardo-Acosta, Lee Hartmann, Aurora Sicilia-Aguilar, Lori Allen, Sean Carey, Jean-Charles Cuillandre, Thomas H. Jarrett, Patrick Lowrance, Anthony Marston, Alberto Noriega-Crespo, & Robert L. Hurt.* 154, 385 (2004)

REBULL, L. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

REBULL, L. M. See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

REBULL, LUISA. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

REDDY, N. A. See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

REGAN, M. W. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

REGAN, MICHAEL W. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

REITSEMA, H. J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

RHO, J. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

RHO, JEONGHEE. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

RHOADS, J. E. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

RICHARDS, P. L. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

RIDGE, NAOMI A. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

RIEKE, G. See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

RIEKE, G. H. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission. The Multiband Imaging Photometer for *Spitzer* (MIPS). *G. H. Rieke, E. T. Young, C. W. Engelbracht, D. M. Kelly, F. J. Low, E. E. Haller, J. W. Beeman, K. D. Gordon, J. A. Stansberry, K. A. Misselt, J. Cadien, J. E. Morrison, G. Rivlis, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, K. R. Stapelfeldt, D. C. Hines, E. Egami, J. Muzerolle, A. Alonso-Herrero, M. Blaylock, H. Dole, J. L. Hinz, E. Le Floc'h, C. Papovich, P. G. Pérez-González, P. S. Smith, K. Y. L. Su, L. Bennett, D. T. Frayer,*

*D. Henderson, N. Lu, F. Masci, M. Pesenson, L. Rebull, J. Rho, J. Keene, S. Stolovy, S. Wachter, W. Wheaton, M. W. Werner, & P. L. Richards.* 154, 25 (2004)

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer Deep Surveys*.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LAGACHE, G., et al. Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ .

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.*

See EGAMI, E., et al. *Spitzer Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.*

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See YOUNG, E. T., et al. *Spitzer Observations of NGC 2547: The Disk Population at 25 Million Years.*

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.*

RIEKE, GEORGE H. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

RIEKE, M. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

RIEKE, M. J. See EISENARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer Deep Surveys*.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.*

See EGAMI, E., et al. *Spitzer Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.*

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei. *J. R. Rigby, G. H. Rieke, R. Maiolino, R. Gilli, C. Papovich, P. G. Pérez-González, A. Alonso-Herrero, E. Le Floc'h, C. W. Engelbracht, K. Gordon, D. C. Hines, J. L. Hinz, J. E. Morrison, J. Muzerolle, M. J. Rieke, & K. Y. L. Su.* 154, 160 (2004)

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

RIGOPOLOU, D. See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.*

See EGAMI, E., et al. *Spitzer Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.*

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

RIVLIS, G. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

RODMANN, J. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

ROELLIG, T. L. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

*Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs. *T. L. Roellig, J. E. Van Cleve, G. C. Sloan, J. C. Wilson, D. Saumon, S. K. Leggett, M. S. Marley, M. C. Cushing, J. D. Kirkpatrick, A. K. Mainzer, & J. R. Houck.* 154, 418 (2004)

ROUSSEL, H. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

ROWAN-ROBINSON, MICHAEL. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

RYAN, E. L. See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

SAHA, ABHIJIT. The Period-Luminosity Relation for Long-Period Variables in M31. *Jeremy Mould, Abhijit Saha, & Shaun Hughes.* 154, 623 (2004)

SAHI, M. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

SAJINA, A. See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

SALAMAN, MALCOM. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

SARGENT, ANNEILA I. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

SARGENT, B. See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydreae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

SAUMON, D. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

SCHMITZ, M. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

SCHÖRIK, FREDRIK L. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

SCHOENWALD, J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

SEIFFERT, M. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack.* 154, 493 (2004)

SELLGREN, K. New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

SERGEANT, S. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations. *S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson.* 154, 118 (2004)

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

SERGEANT, STEVE. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

SEWILLO, M. Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz.* 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

SHAH, R. Y. See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

SHAKOORZADEH, K. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

SHAPLEY, A. E. See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

SHIRLEY, YANCY L. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

SHRADER, C. R. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

SHUPE, D. See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

SHUPE, D. L. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

SHUPE, DAVE. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

SHUPE, DAVID L. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

SIANA, BRIAN. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

SICILIA-AGUILAR, AURORA. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

SILVERSTONE, M. D. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

SIMMONS, L. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

SLOAN, G. C. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

Spitzer Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydreae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

SMAIL, I. See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

SMITH, BEVERLY J. The CORE DIRBE Point Source Catalog. *Beverly J. Smith, Stephan D. Price, & Rachel I. Baker.* 154, 673 (2004)

SMITH, H. A. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

SMITH, H. E. (GENE). See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

SMITH, HARDING E. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

SMITH, HORACE A. The RR Lyrae Period-Luminosity Relation. I. Theoretical Calibration. *M. Catelan, Barton J. Pritzl, & Horace A. Smith.* 154, 633 (2004)

SMITH, J. D. T. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy. *J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo,*

D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kewley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thorneley, F. Walter, & M. G. Wolfire. 154, 199 (2004)

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

SMITH, P. S. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

SODERBLOM, D. R. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

SOIFER, B. T. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See HOUCk, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2?

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See FAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

*Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255. B. T. Soifer, V. Charmandaris, B. R. Brandl, L. Armus, P. N. Appleton, M. J. Burgdorf, D. Devost, T. Herter, S. J. U. Higdon, J. L. Higdon, J. R. Houck, C. R. Lawrence, P. W. Morris, H. I. Teplitz, K. I. Uchida, J. van Cleve, & D. Weedman. 154, 151 (2004)

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See HOUCk, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

SONNEBORN, GEORGE. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn. 154, 651 (2004)

SPIESMAN, WILLIAM. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

SPOON, H. W. W. See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111. H. W. W. Spoon, L. Armus, J. Cami, A. G. G. M. Tielens, J. E. Chiar, E. Peeters, J. V. Keane, V. Charmandaris, P. N. Appleton, H. I. Teplitz, & M. J. Burgdorf. 154, 184 (2004)

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See HOUCk, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

SPOON, HENRIK. See DEVOST, DANIEL, et al. *Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio.

SQUIRES, G. See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

SQUIRES, G. K. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2?

See FAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

SQUIRES, GORDON K. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

STACEY, GORDON. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

STANSBERRY, J. See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

STANSBERRY, J. A. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

New Infrared Emission Features and Spectral Variations in NGC 7023. M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry. 154, 309 (2004)

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

*Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1. J. A. Stansberry, J. Van Cleve, W. T. Reach, D. P. Cruikshank, J. P. Emery, Y. R. Fernandez, V. S. Meadows, K. Y. L. Su, K. Misselt, G. H. Rieke, E. T. Young, M. W. Werner, C. W. Engelbracht, K. D. Gordon, D. C. Hines, D. M. Kelly, J. E. Morrison, & J. Muzerolle. 154, 463 (2004)

STANSBERRY, JOHN A. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

STAPELFELDT, K. See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

STAPELFELDT, K. R. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*. K. R. Stapelfeldt, E. K. Holmes, C. Chen, G. H. Rieke, K. Y. L. Su, D. C. Hines, M. W. Werner, C. A. Beichman, M. Jura, D. L. Padgett, J. A. Stansberry, G. Bendo, J. Calden, M. Marengo, T. Thompson, T. Velusamy, C. Backus, M. Blaylock, E. Egami, C. W. Engelbracht, D. T. Frayer, K. D. Gordon, J. Keene, W. B. Latter, T. Megeath, K. Misselt, J. E. Morrison, J. Muzerolle, A. Noriega-Crespo, J. Van Cleve, & E. T. Young. 154, 458 (2004)

STAPELFELDT, KARL. See NORIEGA-CRESPO, ALBERTO, et al. A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System.

STAPELFELDT, KARL R. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

STAUFFER, J. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

STAUFFER, J. A. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

STAUFFER, J. R. See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

STAUFFER, JOHN R. See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

STEIDEL, C. C. See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

STERN, D. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

STERN, DANIEL. See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

*Spitzer Space Telescope* Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

STIAVELLI, M. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

STOBIE, E. B. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

STOLOVY, S. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

STOLOVY, S. R. See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

STORRIE-LOMBARDI, L. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

STORRIE-LOMBARDI, L. J. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See FRYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

STROM, S. E. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

SU, K. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

SU, K. Y. L. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See RIGBY, J. R., et al. 24 Micron Properties of X-Ray-selected Active Galactic Nuclei.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346. *K. Y. L. Su, D. M. Kelly, W. B. Latter, K. A. Misselt, A. Frank, K. Volk, C. W. Engelbracht, K. D. Gordon, D. C. Hines, J. E. Morrison, J. Muzerolle, G. H. Rieke, J. A. Stansberry, & E. Young.* 154, 302 (2004)

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

SU, KATE Y. L. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

SURACE, J. See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

See WILSON, G., et al. Extremely Red Objects in the Lockman Hole.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

SURACE, J. A. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

See FRYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

SURACE, JASON. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

SWARTZ, DOUGLAS A. The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. *Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu.* 154, 519 (2004)

TAYLOR, R. S. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

TEIXEIRA, P. See YOUNG, E. T., et al. *Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years.

TENNANT, ALLYN F. The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. *Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu.* 154, 519 (2004)

TEPLITZ, H. I. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS). *H. I. Teplitz.*

V. Charmandaris, L. Armus, P. N. Appleton, J. R. Houck, B. T. Soifer, D. Weedman, B. R. Brandl, J. van Cleve, C. Grillmair, & K. I. Uchida. 154, 103 (2004)

See FRAYER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

TEPLITZ, HARRY I. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

Excitation of Molecular Material near the Young Stellar Object LkH $\alpha$  234 in NGC 7129. Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus. 154, 339 (2004)

THOMPSON, D. J. See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2?

THOMPSON, T. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

THORNLEY, M. D. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

THORNLEY, MICHELE D. See WILLNER, S. P., et al. Infrared Array Camera (IRAC) Observations of M81.

TIEDE, G. P. See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

TIELENS, A. G. M. See SPOON, H. W. W., et al. Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.

TOLLESTRUP, E. V. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

TONRY, JOHN L. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

TROELTSCH, J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

TSVETANOV, Z. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

TYLER, S. R. See MEADOWS, V. S., et al. The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background.

UCHIDA, K. See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

UCHIDA, K. I. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052.

New Infrared Emission Features and Spectral Variations in NGC 7023. M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry. 154, 309 (2004)

The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association. K. I. Uchida, N. Calvet, L. Hartmann, F. Kemper, W. J. Forrest, D. M. Watson, P. D'Alessio, C. H. Chen, E. Furlan, B. Sargent, B. R. Brandl, T. L. Herter, P. Morris, P. C. Myers, J. Najita, G. C. Sloan, D. J. Barry, J. Green, L. D. Keller, & P. Hall. 154, 439 (2004)

See FORREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

UCHIDA, KEVEN I. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

Excitation of Molecular Material near the Young Stellar Object LkH $\alpha$  234 in NGC 7129. Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus. 154, 339 (2004)

See WATSON, DAN M., et al. Mid-Infrared Spectra of Class I Protostars in Taurus.

UNRUH, B. See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

VAN CLEVE, J. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

Van CLEVE, J. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

VAN CLEVE, J. E. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

VAN CLEVE, J. E. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

VAN DISHOEK, EWINE F. See BOOGERT, A. C. ADWIN, et al. *Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars.

See YOUNG, CHADWICK H., et al. A "Starless" Core that Isn't: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

VELÁZQUEZ, P. F. Models for the Infrared Cavity of HH 46/47. A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Velázquez. 154, 346 (2004)

VELUSAMY, T. See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

VERNET, J. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

VOLK, K. See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

WACHTER, S. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See INGALLS, JAMES G., et al. Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey.

See PADGETT, DEBORAH L., et al. An Aggregate of Young Stellar Disks in Lynds 1228 South.

WADDINGTON, IAN. See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

WAHHAI, ZAHED. See YOUNG, CHADWICK H., et al. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*.

WALBORN, NOLAN R. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn.* 154, 651 (2004)

WALSH, J. R. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

WALTER, F. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

WANG, Z. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies). *Z. Wang, G. G. Fazio, M. L. N. Ashby, J. S. Huang, M. A. Pahre, H. A. Smith, S. P. Willner, W. J. Forrest, J. L. Pipher, & J. A. Surace.* 154, 193 (2004)

WATSON, C. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz.* 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

WATSON, CHRISTER. See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

WATSON, D. M. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See MARSTON, A. P., et al. DR 21: A Major Star Formation Site Revealed by *Spitzer*.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

See UCHIDA, K. I., et al. The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association.

See FOREST, W. J., et al. Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars.

See JURA, M., et al. Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars.

WATSON, DAN M. Mid-Infrared Spectra of Class I Protostars in Taurus. *Dan M. Watson, F. Kemper, Nuria Calvet, Luke D. Keller, Elise Furlan, Lee Hartmann, W. J. Forrest, C. H. Chen, Keven I. Uchida, Joel D. Green, B. Sargent, G. C. Sloan, Terry L. Herter, Bernhard R. Brandl, J. R. Houck, J. Najita, Paola D’Alessio, P. C. Myers, D. J. Barry, P. Hall, & P. W. Morris.* 154, 391 (2004)

WEEDMAN, D. See HOUCK, J. R., et al. The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See TEPLITZ, H. I., et al. Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS).

See CHARMANDARIS, V., et al. Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .

See SOIFER, B. T., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.

See HIGDON, S. J. U., et al. First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*.

See BRANDL, B. R., et al. *Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714.

See HOUCK, J. R., et al. The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335—052.

WEEDMAN, D. W. See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

WEIDENSCHILLING, S. J. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

WERNER, M. See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

WERNER, M. W. The *Spitzer Space Telescope* Mission. *M. W. Werner, T. L. Roellig, F. J. Low, G. H. Rieke, M. Rieke, W. F. Hoffman, E. Young, J. R. Houck, B. Brandl, G. G. Fazio, J. L. Hora, R. D. Gehrz, G. Helou, B. T. Soifer, J. Stauffer, J. Keene, P. Eisenhardt, D. Gallagher, T. N. Gautier, W. Irace, C. R. Lawrence, L. Simmons, J. E. van Cleve, M. Jura, E. L. Wright, & D. P. Cruikshank.* 154, 1 (2004)

See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

WERNER, MICHAEL W. *Spitzer Space Telescope* Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

WEST, MICHAEL J. See JORDÁN, ANDRÉS, et al. The ACS Virgo Cluster Survey. II. Data Reduction Procedures.

WHEATON, W. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

WHITELEY, R. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

WHITNEY, B. A. A GLIMPSE of Star Formation in the Giant H II Region RCW 49. *B. A. Whitney, R. Indebetouw, B. L. Babler, M. R. Meade, C. Watson, M. J. Wolff, M. G. Wolfire, D. P. Clemens, T. M. Bania, R. A. Benjamin, M. Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, S. R. Stolovy, & E. Churchwell.* 154, 315 (2004)

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

WILLIS, ALLAN J. An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn.* 154, 651 (2004)

WILLNER, S. P. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

See BARMBY, P., et al. Deep Mid-Infrared Observations of Lyman Break Galaxies.

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See WANG, Z., et al. The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).

Infrared Array Camera (IRAC) Observations of M81. *S. P. Willner, M. L. N. Ashby, P. Barmby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Storrie-Lombardi.* 154, 222 (2004)

Spatial Distribution of Warm Dust in Early-Type Galaxies. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 235 (2004)

See HELOU, G., et al. The Anatomy of Star Formation in NGC 300.

WILSON, C. A. See HARMON, B. A., et al. The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources.

WILSON, G. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See HUANG, J. S., et al. Infrared Array Camera (IRAC) Imaging of the Lockman Hole.

See YAN, LIN, et al. Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey.

See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See YAN, LIN, et al. *Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ .

Extremely Red Objects in the Lockman Hole. *G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barmby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace.* 154, 107 (2004)

See SERJEANT, S., et al. Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations.

See IIVISON, R. J., et al. *Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protoellipticals.

See EGAMI, E., et al. *Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.

See FRAZER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See ALONSO-HERRERO, A., et al. The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

WILSON, GILLIAN. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

WILSON, J. C. See ROELLIG, T. L., et al. *Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs.

WINDHORST, R. A. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

WINGHART, M. See ARMUS, L., et al. Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101.

WOLF, S. See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

WOLFF, M. J. See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

WOLFLIRE, M. G. See SMITH, J. D. T., et al. Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy.

See WHITNEY, B. A., et al. A GLIMPSE of Star Formation in the Giant H II Region RCW 49.

See CHURCHWELL, E., et al. RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*.

See MERCER, E. P., et al. Discovery of a Distant Star Formation Region Using GLIMPSE.

WOLLACK, E. An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack.* 154, 493 (2004)

WOODWARD, C. E. See HINZ, J. L., et al. Energy Sources for the Far-Infrared Emission of M33.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

WORKMAN, L. See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

WRIGHT, E. L. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See FAZIO, G. G., et al. The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*.

See FAZIO, G. G., et al. Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*.

See EISENHARDT, P. R., et al. The Infrared Array Camera (IRAC) Shallow Survey.

WU, KINWAH. The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. *Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu.* 154, 519 (2004)

XU, C. See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

XU, C. KEVIN. See LONSDALE, CAROL, et al. First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations.

XU, CONG (KEVIN). See OLIVER, SEB, et al. Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey.

YAN, H. See CHARY, R., et al. The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1.

See PIRZKAL, N., et al. GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.

YAN, L. See MARLEAU, FRANCINE R., et al. Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey.

See FRAZER, D. T., et al. Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field.

See APPLETON, P. N., et al. The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey.

See LACY, M., et al. Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey.

YAN, LIN. See FANG, FAN, et al. The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey.

Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey. *Lin Yan, George Helou, D. Fadda, F. R. Marleau, M. Lacy, G. Wilson, B. T. Soifer, I. Drozdovsky, F. Masci, L. Armus, H. I. Teplitz, D. T. Frayer, J. Surace, L. J. Storrie-Lombardi, P. N. Appleton, S. Chapman, P. Choi, F. Fan, I. Heinrichsen, M. Im, M. Schmidt, D. L. Shupe, & G. K. Squires.* 154, 60 (2004)

*Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ ? *Lin Yan, Philip I. Choi, D. Fadda, F. R. Marleau, B. T. Soifer, M. Im, L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson.* 154, 75 (2004)

YOUNG, CHADWICK H. A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*. *Chadwick H. Young, Jes K. Jørgensen, Yancy L. Shirley, Jens Kauffmann, Tracy Huard, Shih-Ping Lai, Chang Won Lee, Antonio Crapsi, Tyler L. Bourke, Cornelis P. Dullemond, Timothy Y. Brooke, Alicia Porras, William Spiesman, Lori E. Allen, Geoffrey A. Blake, Neal J. Evans II, Paul M.*

Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, Karl R. Stapelfeldt, Ewine F. van Dishoeck, Frank Bertoldi, Nicholas Chapman, Lucas Cieza, Christopher H. DeVries, Naomi A. Ridge, & Zahed Wahhaj. 154, 396 (2004)

YOUNG, E. See WERNER, M. W., et al. The *Spitzer Space Telescope* Mission.

See SU, K. Y. L., et al. High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346.

See MEYER, M. R., et al. The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program.

YOUNG, E. T. See RIEKE, G. H., et al. The Multiband Imaging Photometer for *Spitzer* (MIPS).

See PAPOVICH, C., et al. The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys.

See DOLE, H., et al. Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys.

See LE FLOC'H, E., et al. Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .

See GORDON, K. D., et al. Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.

See ENGELBRACHT, C. W., et al. Far-Infrared Imaging of NGC 55.

See HINES, D. C., et al. Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS).

See MUZEROLLE, J., et al. The 24 Micron View of Embedded Star Formation in NGC 7129.

*Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years. E. T. Young, C. J. Lada, P. Teixeira, J. Muzerolle, A. Muench, J. Stauffer, C. A. Beichman, G. H. Rieke, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, K. D. Gordon, K. Misselt, J. Morrison, J. Stansberry, & D. Kelly. 154, 428 (2004)

See STAPELFELDT, K. R., et al. First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*.

See STANSBERRY, J. A., et al. *Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1.

YOUNG, ERICK. See REACH, WILLIAM T., et al. Protostars in the Elephant Trunk Nebula.

YOUNG, ERICK T. See GORLOVA, NADYA, et al. New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years.

## SUBJECT INDEX

### VOLUME 154

#### 2004 SEPTEMBER TO OCTOBER

##### ACCRETION, ACCRETION DISKS

Mid-Infrared Spectra of Class I Protostars in Taurus. *Dan M. Watson, F. Kemper, Nuria Calvet, Luke D. Keller, Elise Furlan, Lee Hartmann, W. J. Forrest, C. H. Chen, Keven I. Uchida, Joel D. Green, B. Sargent, G. C. Sloan, Terry L. Herter, Bernhard R. Brandl, J. R. Houck, J. Najita, Paola D'Alessio, P. C. Myers, D. J. Barry, P. Hall, & P. W. Morris.* 154, 391 (2004)

*Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years. *E. T. Young, C. J. Lada, P. Teixeira, J. Muzerolle, A. Muench, J. Stauffer, C. A. Beichman, G. H. Rieke, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, K. D. Gordon, K. Misselt, J. Morrison, J. Stansberry, & D. Kelly.* 154, 428 (2004)

The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association. *K. I. Uchida, N. Calvet, L. Hartmann, F. Kemper, W. J. Forrest, D. M. Watson, P. D'Alessio, C. H. Chen, E. Furlan, B. Sargent, B. R. Brandl, T. L. Herter, P. Morris, P. C. Myers, J. Najita, G. C. Sloan, D. J. Barry, J. Green, L. D. Keller, & P. Hall.* 154, 439 (2004)

##### ASTROCHEMISTRY

RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*. *E. Churchwell, B. A. Whitney, B. L. Babler, R. Indebetouw, M. R. Meade, Christen Watson, M. J. Wolff, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, Martin Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy.* 154, 322 (2004)

*Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Aduvini Boogert, Klaus M. Pontoppidan, Fred Lahuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheijde, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, & Karl R. Stapelfeldt.* 154, 359 (2004)

##### ATLASSES

An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn.* 154, 651 (2004)

##### BALLOONS

An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack.* 154, 493 (2004)

##### CATALOGS

The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. *B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Barret.* 154, 585 (2004)

The *COBE DIRBE* Point Source Catalog. *Beverly J. Smith, Stephan D. Price, & Rachel I. Baker.* 154, 673 (2004)

##### COMETS: GENERAL

*Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1. *J. A. Stansberry, J. Van Cleve, W. T. Reach, D. P. Cruikshank, J. P. Emery, Y. R. Fernandez, V. S. Meadows, K. Y. L. Su, K. Misselt, G. H. Rieke, E. T. Young, M. W. Werner, C. W. Engelbracht, K. D. Gordon, D. C. Hines, D. M. Kelly, J. E. Morrison, & J. Muzerolle.* 154, 463 (2004)

##### COMETS: INDIVIDUAL

Name: 29P/Schwassmann-Wachmann 1

*Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1. *J. A. Stansberry, J. Van Cleve, W. T. Reach, D. P. Cruikshank, J. P. Emery, Y. R. Fernandez, V. S. Meadows, K. Y. L. Su,*

*K. Misselt, G. H. Rieke, E. T. Young, M. W. Werner, C. W. Engelbracht, K. D. Gordon, D. C. Hines, D. M. Kelly, J. E. Morrison, & J. Muzerolle.* 154, 463 (2004)

##### COSMOLOGY: COSMIC MICROWAVE BACKGROUND

An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. *A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack.* 154, 493 (2004)

##### COSMOLOGY: DIFFUSE RADIATION

*Spitzer Space Telescope* View of Diffuse Near-Infrared Continuum Emission in the Galaxy. *Nanyao Lu.* 154, 286 (2004)

##### COSMOLOGY: DISTANCE SCALE

The RR Lyrae Period-Luminosity Relation. I. Theoretical Calibration. *M. Catelan, Barton J. Pritzl, & Horace A. Smith.* 154, 633 (2004)

##### COSMOLOGY: LARGE-SCALE STRUCTURE OF UNIVERSE

Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey. *Seb Oliver, Ian Waddington, Eduardo Gonzalez-Solares, Jason Surace, Fan Fang, Dave Shupe, Tom Jarrett, Carol Lonsdale, Cong (Kevin) Xu, Duncan Farrah, Malcolm Salaman, Michael Rowan-Robinson, Brian Siana, & H. E. (Gene) Smith.* 154, 30 (2004)

The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey. *Fan Fang, David L. Shupe, Gillian Wilson, Mark Lacy, Dario Fadda, Tom Jarrett, Frank Masci, P. N. Appleton, Lee Armus, Scott Chapman, Philip I. Choi, D. T. Frayer, Ingolf Heinrichsen, George Helou, Myungshin Im, Francine R. Marleau, B. T. Soifer, Gordon K. Squires, L. J. Storrie-Lombardi, Jason Surace, Harry I. Teplitz, & Lin Yan.* 154, 35 (2004)

The Statistical Discrepancy between the Intergalactic Medium and Dark Matter Fields: One-Point Statistics. *Jesús Pando, Long-long Feng, & Li-Zhi Fang.* 154, 475 (2004)

##### COSMOLOGY: OBSERVATIONS

Infrared Array Camera (IRAC) Imaging of the Lockman Hole. *J. S. Huang, P. Barmby, G. G. Fazio, S. P. Willner, G. Wilson, D. Rigopoulou, A. Alonso-Herrero, H. Dole, E. Egami, E. Le Floc'h, C. Papovich, P. G. Pérez-González, J. Rigby, C. W. Engelbracht, K. Gordon, D. Hines, M. Rieke, G. H. Rieke, K. Meisenheimer, & S. Miyazaki.* 154, 44 (2004)

The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys. *C. Papovich, H. Dole, E. Egami, E. Le Floc'h, P. G. Pérez-González, A. Alonso-Herrero, L. Bai, C. A. Beichman, M. Blaylock, C. W. Engelbracht, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Mould, J. Muzerolle, G. Neugebauer, P. L. Richards, G. H. Rieke, M. J. Rieke, J. R. Rigby, K. Y. L. Su, & E. T. Young.* 154, 70 (2004)

Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS). *H. I. Teplitz, V. Charmandaris, L. Armus, P. N. Appleton, J. R. Houck, B. T. Soifer, D. Weedman, B. R. Brandl, J. van Cleve, C. Grillmair, & K. I. Uchida.* 154, 103 (2004)

Extremely Red Objects in the Lockman Hole. *G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barmby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace.* 154, 107 (2004)

Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations. *S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bai, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson.* 154, 118 (2004)

*Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies. *E. Egami, H. Dole,*

J. S. Huang, P. Pérez-González, E. Le Floc'h, C. Papovich, P. Barmby, R. J. Ivison, S. Serjeant, A. Mortier, D. T. Frayer, D. Rigopoulou, G. Lagache, G. H. Rieke, S. P. Willner, A. Alonso-Herrero, L. Bai, C. W. Engelbracht, G. G. Fazio, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, M. J. Rieke, J. R. Rigby, & G. Wilson. 154, 130 (2004)

The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey. P. N. Appleton, D. T. Fadda, F. R. Marleau, D. T. Frayer, G. Helou, J. J. Condon, P. I. Choi, L. Yan, M. Lacy, G. Wilson, L. Armus, S. C. Chapman, F. Fang, I. Heinrichsen, M. Im, B. T. Jannuzzi, L. J. Storrie-Lombardi, D. Shupe, B. T. Soifer, G. Squires, & H. I. Teplitz. 154, 147 (2004)

Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ . E. Le Floc'h, P. G. Pérez-González, G. H. Rieke, C. Papovich, J. S. Huang, P. Barmby, H. Dole, E. Egami, A. Alonso-Herrero, G. Wilson, S. Miyazaki, J. R. Rigby, L. Bei, M. Blaylock, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Muzerolle, M. J. Rieke, D. Rigopoulou, K. Y. L. Su, S. P. Willner, & E. T. Young. 154, 170 (2004)

An Instrument to Measure the Temperature of the Cosmic Microwave Background Radiation at Centimeter Wavelengths. A. Kogut, D. J. Fixsen, S. Levin, M. Limon, P. M. Lubin, P. Mirel, M. Seiffert, & E. Wollack. 154, 493 (2004)

**COSMOLOGY: THEORY**

The Statistical Discrepancy between the Intergalactic Medium and Dark Matter Fields: One-Point Statistics. Jesús Pando, Long-long Feng, & Li-Zhi Fang. 154, 475 (2004)

**GALAXIES: ACTIVE**

Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey. Lin Yan, George Helou, D. Fadda, F. R. Marleau, M. Lacy, G. Wilson, B. T. Soifer, I. Drozdovsky, F. Masci, L. Armus, H. I. Teplitz, D. T. Frayer, J. Surace, L. J. Storrie-Lombardi, P. N. Appleton, S. Chapman, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Schmitz, D. L. Shupe, & G. K. Squires. 154, 60 (2004)

Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field. D. T. Frayer, S. C. Chapman, L. Yan, L. Armus, G. Helou, D. Fadda, R. Morganti, M. A. Garrett, P. Appleton, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, F. Marleau, F. J. Masci, D. L. Shupe, B. T. Soifer, G. K. Squires, L. J. Storrie-Lombardi, J. A. Surace, H. I. Teplitz, & G. Wilson. 154, 137 (2004)

The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts. A. Alonso-Herrero, P. G. Pérez-González, J. Rigby, G. H. Rieke, E. Le Floc'h, P. Barmby, M. J. Page, C. Papovich, H. Dole, E. Egami, J. S. Huang, D. Rigopoulou, D. Cristóbal-Hornillos, C. Eliche-Moral, M. Balcells, M. Prieto, P. Erwin, C. W. Engelbracht, K. D. Gordon, M. Werner, S. P. Willner, G. G. Fazio, D. Frayer, D. Hines, D. Kelly, W. Latter, K. Misselt, S. Miyazaki, J. Morrison, M. J. Rieke, G. Wilson, Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus. 154, 155 (2004)

24 Micron Properties of X-Ray-selected Active Galactic Nuclei. J. R. Rigby, G. H. Rieke, R. Maiolino, R. Gilli, C. Papovich, P. G. Pérez-González, A. Alonso-Herrero, E. Le Floc'h, C. W. Engelbracht, K. Gordon, D. C. Hines, J. L. Hinz, J. E. Morrison, J. Muzerolle, M. J. Rieke, & K. Y. L. Su. 154, 160 (2004)

First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer* Space Telescope. S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao. 154, 174 (2004)

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer* Space Telescope: Early Results on Markarian 1014, Markarian 463, and UGC 5101. L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart. 154, 178 (2004)

**GALAXIES: BULGES**

*Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ ? Lin Yan, Philip I. Choi, D. Fadda, F. R. Marleau, B. T. Soifer, M. Im, L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson. 154, 75 (2004)

L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson. 154, 75 (2004)

**GALAXIES: CLUSTERS: GENERAL**

The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey. Fan Fang, David L. Shupe, Gillian Wilson, Mark Lacy, Dario Fadda, Tom Jarrett, Frank Masci, P. N. Appleton, Lee Armus, Scott Chapman, Philip I. Choi, D. T. Frayer, Ingolf Heinrichsen, George Helou, Myungshin Im, Francine R. Marleau, B. T. Soifer, Gordon K. Squires, L. J. Storrie-Lombardi, Jason Surace, Harry I. Teplitz, & Lin Yan. 154, 35 (2004)

**GALAXIES: CLUSTERS: INDIVIDUAL**

**Name: Virgo**

The ACS Virgo Cluster Survey. II. Data Reduction Procedures. Andrés Jordán, John P. Blakeslee, Eric W. Peng, Simona Mei, Patrick Côté, Laura Ferrarese, John L. Tonry, David Merritt, Miloš Milosavljević, & Michael J. West. 154, 509 (2004)

**GALAXIES: EVOLUTION**

Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey. Seb Oliver, Ian Waddington, Eduardo González-Solares, Jason Surace, Fan Fang, Dave Shupe, Tom Jarrett, Carol Lonsdale, Cong (Kevin) Xu, Duncan Farrah, Malcolm Salaman, Michael Rowan-Robinson, Brian Siana, & H. E. (Gene) Smith. 154, 30 (2004)

Infrared Array Camera (IRAC) Imaging of the Lockman Hole. J. S. Huang, P. Barmby, G. G. Fazio, S. P. Willner, G. Wilson, D. Rigopoulou, A. Alonso-Herrero, H. Dole, E. Egami, E. Le Floc'h, C. Papovich, P. G. Pérez-González, J. Rigby, C. W. Engelbracht, K. Gordon, D. Hines, M. Rieke, G. H. Rieke, K. Meisenheimer, & S. Miyazaki. 154, 44 (2004)

First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations. Carol Lonsdale, María del Carmen Polletta, Jason Surace, Dave Shupe, Fan Fang, C. Kevin Xu, Harding E. Smith, Brian Siana, Michael Rowan-Robinson, Tom Babbidge, Seb Oliver, Francesca Pozzi, Payam Davoodi, Frazer Owen, Deborah Padgett, Dave Frayer, Tom Jarrett, Frank Masci, JoAnne O'Linger, Tim Conrow, Duncan Farrah, Glenn Morrison, Nick Gautier, Alberto Franceschini, Stefano Berta, Ismael Pérez-Fournon, Hervé Dole, Gordon Stacey, Steve Serjeant, Marguerite Pierre, Matt Griffin, & Rick Puettner. 154, 54 (2004)

The 24 Micron Source Counts in Deep *Spitzer* Space Telescope Surveys. C. Papovich, H. Dole, E. Egami, E. Le Floc'h, P. G. Pérez-González, A. Alonso-Herrero, L. Bai, C. A. Beichman, M. Blaylock, C. W. Engelbracht, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Mould, J. Muzerolle, G. Neugebauer, P. L. Richards, G. H. Rieke, M. J. Rieke, J. R. Rigby, K. Y. L. Su, & E. T. Young. 154, 70 (2004)

*Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ ? Lin Yan, Philip I. Choi, D. Fadda, F. R. Marleau, B. T. Soifer, M. Im, L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson. 154, 75 (2004)

The Nature of Faint 24 Micron Sources Seen in *Spitzer* Space Telescope Observations of ELAIS-N1. R. Chary, S. Casertano, M. E. Dickinson, H. C. Ferguson, P. R. M. Eisenhardt, D. Elbaz, N. A. Grogin, L. A. Moustakas, W. T. Reach, & H. Yan. 154, 80 (2004)

Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys. H. Dole, E. Le Floc'h, P. G. Pérez-González, C. Papovich, E. Egami, G. Lagache, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, D. C. Hines, O. Krause, K. A. Misselt, J. E. Morrison, G. H. Rieke, M. J. Rieke, J. R. Rigby, E. T. Young, L. Bai, M. Blaylock, G. Neugebauer, C. A. Beichman, D. T. Frayer, J. R. Mould, & P. L. Richards. 154, 87 (2004)

Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS). H. I. Teplitz, V. Charmandaris, L. Armus, P. N. Appleton, J. R. Houck, B. T. Soifer, D. Weedman, B. R. Brandl, J. van Cleve, C. Grillmair, & K. I. Uchida. 154, 103 (2004)

Extremely Red Objects in the Lockman Hole. G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barmby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C.

Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace. 154, 107 (2004)

Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ . G. Lagache, H. Dole, J. L. Puget, P. G. Pérez-González, E. Le Floc'h, G. H. Rieke, C. Papovich, E. Egami, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, K. A. Misselt, & J. E. Morrison. 154, 112 (2004)

Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations. S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson. 154, 118 (2004)

*Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals. R. J. Ivison, T. R. Greve, S. Serjeant, F. Bertoldi, E. Egami, A. M. J. Mortier, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, J. S. Huang, E. Le Floc'h, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, G. H. Rieke, J. Rigby, D. Rigopoulou, I. Smail, G. Wilson, & S. P. Willner. 154, 124 (2004)

*Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies. E. Egami, H. Dole, J. S. Huang, P. Pérez-González, E. Le Floc'h, C. Papovich, P. Barmby, R. J. Ivison, S. Serjeant, A. Mortier, D. T. Frayer, D. Rigopoulou, G. Lagache, G. H. Rieke, S. P. Willner, A. Alonso-Herrero, L. Bai, C. W. Engelbracht, G. G. Fazio, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, M. J. Rieke, J. R. Rigby, & G. Wilson. 154, 130 (2004)

Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field. D. T. Frayer, S. C. Chapman, L. Yan, L. Armus, G. Helou, D. Fadda, R. Morganti, M. A. Garrett, P. Appleton, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, F. Marleau, F. J. Masci, D. L. Shupe, B. T. Soifer, G. K. Squires, L. J. Storrie-Lombardi, J. A. Surace, H. I. Teplitz, & G. Wilson. 154, 137 (2004)

The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey. P. N. Appleton, D. T. Fadda, F. R. Marleau, D. T. Frayer, G. Helou, J. J. Condon, P. I. Choi, L. Yan, M. Lacy, G. Wilson, L. Armus, S. C. Chapman, F. Fang, I. Heinrichsen, M. Im, B. T. Jannuzzi, L. J. Storrie-Lombardi, D. Shupe, B. T. Soifer, G. Squires, & H. I. Teplitz. 154, 147 (2004)

**GALAXIES: FORMATION**

Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations. S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson. 154, 118 (2004)

*Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals. R. J. Ivison, T. R. Greve, S. Serjeant, F. Bertoldi, E. Egami, A. M. J. Mortier, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, G. H. Rieke, J. Rigby, D. Rigopoulou, I. Smail, G. Wilson, & S. P. Willner. 154, 124 (2004)

Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field. D. T. Frayer, S. C. Chapman, L. Yan, L. Armus, G. Helou, D. Fadda, R. Morganti, M. A. Garrett, P. Appleton, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, F. Marleau, F. J. Masci, D. L. Shupe, B. T. Soifer, G. K. Squires, L. J. Storrie-Lombardi, J. A. Surace, H. I. Teplitz, & G. Wilson. 154, 137 (2004)

**GALAXIES: FUNDAMENTAL PARAMETERS**

Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*. G. G. Fazio, M. L. N. Ashby, P. Barmby, J. L. Hora, J. S. Huang, M. A. Pahre, Z. Wang, S. P. Willner, R. G. Arendt, S. H. Moseley, M. Brodwin, P. Eisenhardt, Daniel Stern, E. V. Tollestrup, & E. L. Wright. 154, 39 (2004)

The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts. A. Alonso-Herrero, P. G. Pérez-González, J. Rigby, G. H. Rieke, E. Le Floc'h, P. Barmby, M. J. Page, C. Papovich, H. Dole, E. Egami, J. S. Huang, D. Rigopoulou, D. Cristóbal-Hornillo, C. Eliche-Moral, M. Balcells, M. Prieto, P. Erwin, C. W. Engelbracht, K. D. Gordon, M. Werner, S. P. Willner, G. G. Fazio, D. Frayer, D. Hines, D. Kelly, W. Latter, K. Misselt, S. Miyazaki, J. Morrison, M. J. Rieke, G. Wilson, Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus. 154, 155 (2004)

Spatial Distribution of Warm Dust in Early-Type Galaxies. Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner. 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner. 154, 235 (2004)

**GALAXIES: GENERAL**

The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu. 154, 519 (2004)

**GALAXIES: HIGH-REDSHIFT**

Infrared Array Camera (IRAC) Imaging of the Lockman Hole. J. S. Huang, P. Barmby, G. G. Fazio, S. P. Willner, G. Wilson, D. Rigopoulou, A. Alonso-Herrero, H. Dole, E. Egami, E. Le Floc'h, C. Papovich, P. G. Pérez-González, J. Rigby, C. W. Engelbracht, K. Gordon, D. Hines, M. Rieke, G. H. Rieke, K. Meisenheimer, & S. Miyazaki. 154, 44 (2004)

Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey. Lin Yan, George Helou, D. Fadda, F. R. Marleau, M. Lacy, G. Wilson, B. T. Soifer, I. Dzordzovsky, F. Masci, L. Armus, H. I. Teplitz, D. T. Frayer, J. Surace, L. J. Storrie-Lombardi, P. N. Appleton, S. Chapman, P. Choi, F. Fan, I. Heinrichsen, M. Im, M. Schmitz, D. L. Shupe, & G. K. Squires. 154, 60 (2004)

The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys. C. Papovich, H. Dole, E. Egami, E. Le Floc'h, P. G. Pérez-González, A. Alonso-Herrero, L. Bai, C. A. Beichman, M. Blaylock, C. W. Engelbracht, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Mould, J. Muzerolle, G. Neugebauer, P. L. Richards, G. H. Rieke, M. J. Rieke, J. R. Rigby, K. Y. L. Su, & E. T. Young. 154, 70 (2004)

*Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ . Lin Yan, Philip I. Choi, D. Fadda, F. R. Marleau, B. T. Soifer, M. Im, L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson. 154, 75 (2004)

The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1. R. Chary, S. Casertano, M. E. Dickinson, H. C. Ferguson, P. R. M. Eisenhardt, D. Elbaz, N. A. Grogin, L. A. Moustakas, W. T. Reach, & H. Yan. 154, 80 (2004)

Deep Mid-Infrared Observations of Lyman Break Galaxies. P. Barmby, J. S. Huang, G. G. Fazio, J. A. Surace, R. G. Arendt, J. L. Hora, M. A. Pahre, K. L. Adelberger, P. Eisenhardt, D. K. Erb, M. Pettini, W. T. Reach, N. A. Reddy, A. E. Shapley, C. C. Steidel, D. Stern, Z. Wang, & S. P. Willner. 154, 97 (2004)

Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS). H. I. Teplitz, V. Charmandaris, L. Armus, P. N. Appleton, J. R. Houck, B. T. Soifer, D. Weedman, B. R. Brandl, J. van Cleve, C. Grillmair, & K. I. Uchida. 154, 103 (2004)

Extremely Red Objects in the Lockman Hole. G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barmby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace. 154, 107 (2004)

Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ . G. Lagache, H. Dole, J. L. Puget, P. G. Pérez-González, E. Le Floc'h, G. H. Rieke, C. Papovich, E. Egami, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, K. A. Misselt, & J. E. Morrison. 154, 112 (2004)

Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations. S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson. 154, 118 (2004)

**Spitzer Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies.** *E. Egami, H. Dole, J. S. Huang, P. Pérez-González, E. Le Floc'h, C. Papovich, P. Barmby, R. J. Ivison, S. Serjeant, A. Mortier, D. T. Frayer, D. Rigopoulou, G. Lagache, G. H. Rieke, S. P. Willner, A. Alonso-Herrero, L. Bai, C. W. Engelbracht, G. G. Fazio, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, M. J. Rieke, J. R. Rigby, & G. Wilson.* 154, 130 (2004)

**Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the Spitzer Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ .** *V. Charmandaris, K. I. Uchida, D. Weedman, T. Herter, J. R. Houck, H. I. Teplitz, L. Armus, B. R. Brandl, S. J. U. Higdon, B. T. Soifer, P. N. Appleton, J. van Cleve, & J. L. Higdon.* 154, 142 (2004)

**The Far- and Mid-Infrared/Radio Correlations in the Spitzer Extragalactic First Look Survey.** *P. N. Appleton, D. T. Fadda, F. R. Marleau, D. T. Frayer, G. Helou, J. J. Condon, P. I. Choi, L. Yan, M. Lacy, G. Wilson, L. Armus, S. C. Chapman, F. Fang, I. Heinrichsen, M. Im, B. T. Jannuzzi, L. J. Storrie-Lombardi, D. Shupe, B. T. Soifer, G. Squires, & H. I. Teplitz.* 154, 147 (2004)

**Spitzer Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar APM 08279+5255.** *B. T. Soifer, V. Charmandaris, B. R. Brandl, L. Armus, P. N. Appleton, M. J. Burgdorf, D. Devost, T. Herter, S. J. U. Higdon, J. L. Higdon, J. R. Houck, C. R. Lawrence, P. W. Morris, H. I. Teplitz, K. I. Uchida, J. van Cleve, & D. Weedman.* 154, 151 (2004)

**Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ .** *E. Le Floc'h, P. G. Pérez-González, G. H. Rieke, C. Papovich, J. S. Huang, P. Barmby, H. Dole, E. Egami, A. Alonso-Herrero, G. Wilson, S. Miyazaki, J. R. Rigby, L. Bei, M. Blaylock, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Muzerolle, M. J. Rieke, D. Rigopoulou, K. Y. L. Su, S. P. Willner, & E. T. Young.* 154, 170 (2004)

**First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the Spitzer Space Telescope.** *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao.* 154, 174 (2004)

**GRAPES. Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction.** *N. Pirzkal, C. Xu, S. Malhotra, J. E. Rhoads, A. M. Koekemoer, L. A. Moustakas, J. R. Walsh, R. A. Windhorst, E. Daddi, A. Cimatti, H. C. Ferguson, Jonathan P. Gardner, C. Gronwall, Z. Haiman, M. Kümmel, N. Panagia, A. Pasquali, M. Stiavelli, S. di Serego Alighieri, Z. Tsvetanov, J. Vernet, & H. Yan.* 154, 501 (2004)

**GALAXIES: INDIVIDUAL**

**Messier Number: M31**

**The Period-Luminosity Relation for Long-Period Variables in M31.** *Jeremy Mould, Abhijit Saha, & Shaun Hughes.* 154, 623 (2004)

**Messier Number: M33**

**Energy Sources for the Far-Infrared Emission of M33.** *J. L. Hinz, G. H. Rieke, K. D. Gordon, P. G. Pérez-González, C. W. Engelbracht, A. Alonso-Herrero, J. E. Morrison, K. Misselt, D. C. Hines, R. D. Gehrz, E. Polomski, C. E. Woodward, R. M. Humphreys, M. W. Regan, J. Rho, J. W. Beeman, & E. E. Haller.* 154, 259 (2004)

**Messier Number: M81**

**Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81.** *K. D. Gordon, P. G. Pérez-González, K. A. Misselt, E. J. Murphy, G. J. Bendo, F. Walter, M. D. Thornley, R. C. Kennicutt, Jr., G. H. Rieke, C. W. Engelbracht, J. D. T. Smith, A. Alonso-Herrero, P. N. Appleton, D. Calzetti, D. A. Dale, B. T. Draine, D. T. Frayer, G. Helou, J. L. Hinz, D. C. Hines, D. M. Kelly, J. E. Morrison, J. Muzerolle, M. W. Regan, J. A. Stansberry, S. R. Stolovy, L. J. Storrie-Lombardi, K. Y. L. Su, & E. T. Young.* 154, 215 (2004)

**Infrared Array Camera (IRAC) Observations of M81.** *S. P. Willner, M. L. N. Ashby, P. Barmby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Stolovy, & L. Storrie-Lombardi.* 154, 222 (2004)

**NGC Number: NGC 55**

**Far-Infrared Imaging of NGC 55.** *C. W. Engelbracht, K. D. Gordon, G. J. Bendo, P. G. Pérez-González, K. A. Misselt, G. H. Rieke, E. T. Young, D. C. Hines, D. M. Kelly, J. A. Stansberry, C. Papovich, J. E. Morrison, E. Egami, K. Y. L. Su, J. Muzerolle, H. Dole, A. Alonso-Herrero, J. L. Hinz, P. S. Smith, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, J. Rho, D. T. Frayer, & S. Wachter.* 154, 248 (2004)

**NGC Number: NGC 300**

**The Anatomy of Star Formation in NGC 300.** *G. Helou, H. Roussel, P. Appleton, D. Frayer, S. Stolovy, L. Storrie-Lombardi, R. Hurt, P. Lowrance, D. Makovoz, F. Masci, J. Surace, K. D. Gordon, A. Alonso-Herrero, C. W. Engelbracht, K. Misselt, G. Rieke, M. Rieke, S. P. Willner, M. Pahre, M. L. N. Ashby, G. G. Fazio, & H. A. Smith.* 154, 253 (2004)

**NGC Number: NGC 4038/4039**

**The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies).** *Z. Wang, G. G. Fazio, M. L. N. Ashby, J. S. Huang, M. A. Pahre, H. A. Smith, S. P. Willner, W. J. Forrest, J. L. Pipher, & J. A. Surace.* 154, 193 (2004)

**NGC Number: NGC 7331**

**Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the Spitzer Infrared Nearby Galaxies Survey (SINGS) Legacy.** *J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo, D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kewley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thornley, F. Walter, & M. G. Wolfire.* 154, 199 (2004)

**Name: Markarian 463**

**Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the Spitzer Space Telescope: Early Results on Markarian 1014, Markarian 463, and UGC 5101.** *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

**Name: Markarian 1014**

**Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the Spitzer Space Telescope: Early Results on Markarian 1014, Markarian 463, and UGC 5101.** *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

**Alphanumeric: CFRS 14.1129**

**First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the Spitzer Space Telescope.** *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao.* 154, 174 (2004)

**Alphanumeric: CFRS 14.1157**

**First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the Spitzer Space Telescope.** *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao.* 154, 174 (2004)

**Alphanumeric: CFRS 14.9025**

**First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the Spitzer Space Telescope.** *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao.* 154, 174 (2004)

**Alphanumeric: IRAS F00183–7111**

**Fire and Ice: Spitzer Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111.** *H. W. W. Spoon, L. Armus, J. Cami, A. G. G. M. Tielens, J. E. Chiar, E. Peeters, J. V. Kean, V. Charmandaris, P. N. Appleton, H. I. Teplitz, & M. J. Burgdorf.* 154, 184 (2004)

**Alphanumeric: J134026.44+634433.2**

**Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the Spitzer Infrared Spectrograph (IRS).** *H. I. Teplitz, V. Charmandaris, L. Armus, P. N. Appleton, J. R. Houck, B. T. Soifer, D. Weedman, B. R. Brandl, J. van Cleve, C. Grillmair, & K. I. Uchida.* 154, 103 (2004)

**Alphanumeric: SBS 0335-052**

The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335-052. *J. R. Houck, V. Charmandaris, B. R. Brandl, D. Weedman, T. Herter, L. Armus, B. T. Soifer, J. Bernard-Salas, H. W. W. Spoon, D. Devost, & K. I. Uchida.* 154, 211 (2004)

**Alphanumeric: UGC 5101**

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101. *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

**GALAXIES: INTERACTIONS**

The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies). *Z. Wang, G. G. Fazio, M. L. N. Ashby, J. S. Huang, M. A. Pahre, H. A. Smith, S. P. Willner, W. J. Forrest, J. L. Pipher, & J. A. Surace.* 154, 193 (2004)

**GALAXIES: ISM**

Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183-7111. *H. W. W. Spoon, L. Armus, J. Cami, A. G. G. M. Tielens, J. E. Chiar, E. Peeters, J. V. Keane, V. Charmandaris, P. N. Appleton, H. I. Teplitz, & M. J. Burgdorf.* 154, 184 (2004)

Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy. *J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo, D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kewley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thornley, F. Walter, & M. G. Wolfire.* 154, 199 (2004)

Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81. *K. D. Gordon, P. G. Pérez-González, K. A. Misselt, E. J. Murphy, G. J. Bendo, F. Walter, M. D. Thornley, R. C. Kennicutt, Jr., G. H. Rieke, C. W. Engelbracht, J. D. T. Smith, A. Alonso-Herrero, P. N. Appleton, D. Calzetti, D. A. Dale, B. T. Draine, D. T. Frayer, G. Helou, J. L. Hinz, D. C. Hines, D. M. Kelly, J. E. Morrison, J. Muzerolle, M. W. Regan, J. A. Stansberry, S. R. Stolovy, L. J. Storrie-Lombardi, K. Y. L. Su, & E. T. Young.* 154, 215 (2004)

Infrared Array Camera (IRAC) Observations of M81. *S. P. Willner, M. L. N. Ashby, P. Barnby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Stolovy, & L. Storrie-Lombardi.* 154, 222 (2004)

Spitzer Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H $_2$  (0-0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio. *Daniel Devost, Bernhard R. Brandl, L. Armus, D. J. Barry, G. C. Sloan, Vassilis Charmandaris, Henrik Spoon, Jeronimo Bernard-Salas, & James R. Houck.* 154, 242 (2004)

Far-Infrared Imaging of NGC 55. *C. W. Engelbracht, K. D. Gordon, G. J. Bendo, P. G. Pérez-González, K. A. Misselt, G. H. Rieke, E. T. Young, D. C. Hines, D. M. Kelly, J. A. Stansberry, C. Papovich, J. E. Morrison, E. Egami, K. Y. L. Su, J. Muzerolle, H. Dole, A. Alonso-Herrero, J. L. Hinz, P. S. Smith, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, J. Rho, D. T. Frayer, & S. Wachter.* 154, 248 (2004)

The Anatomy of Star Formation in NGC 300. *G. Helou, H. Roussel, P. Appleton, D. Frayer, S. Stolovy, L. Storrie-Lombardi, R. Hurt, P. Lowrance, D. Makovoz, F. Masci, J. Surace, K. D. Gordon, A. Alonso-Herrero, C. W. Engelbracht, K. Misselt, G. Rieke, M. Rieke, S. P. Willner, M. Pahre, M. L. N. Ashby, G. G. Fazio, & H. A. Smith.* 154, 253 (2004)

Spitzer Space Telescope View of Diffuse Near-Infrared Continuum Emission in the Galaxy. *Nanyao Lu.* 154, 286 (2004)

Studies of Extragalactic Formaldehyde and Radio Recombination Lines. *Esteban Araya, Willem A. Baan, & Peter Hofner.* 154, 541 (2004)

**GALAXIES: MAGELLANIC CLOUDS**

Spitzer Space Telescope Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

**GALAXIES: PHOTOMETRY**

The 24 Micron Source Counts in Deep *Spitzer* Space Telescope Surveys. *C. Papovich, H. Dole, E. Egami, E. Le Floc'h, P. G. Pérez-González, A. Alonso-Herrero, L. Bai, C. A. Beichman, M. Blaylock, C. W. Engelbracht, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Mould, J. Muzerolle, G. Neugebauer, P. L. Richards, G. H. Rieke, M. J. Rieke, J. R. Rigby, K. Y. L. Su, & E. T. Young.* 154, 70 (2004)

Extremely Red Objects in the Lockman Hole. *G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barnby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace.* 154, 107 (2004)

**GALAXIES: QUASARS: EMISSION LINES**

*Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar *APM 08279+5255*. *B. T. Soifer, V. Charmandaris, B. R. Brandl, L. Armus, P. N. Appleton, M. J. Burgdorf, D. Devost, T. Herter, S. J. U. Higdon, J. L. Higdon, J. R. Houck, C. R. Lawrence, P. W. Morris, H. I. Teplitz, K. I. Uchida, J. van Cleve, & D. Weedman.* 154, 151 (2004)

**GALAXIES: QUASARS: GENERAL**

Obscured and Unobscured Active Galactic Nuclei in the *Spitzer* Space Telescope First Look Survey. *M. Lacy, L. J. Storrie-Lombardi, A. Sajina, P. N. Appleton, L. Armus, S. C. Chapman, P. I. Choi, D. Fadda, F. Fang, D. T. Frayer, I. Heinrichsen, G. Helou, M. Im, F. R. Marleau, F. Masci, D. L. Shupe, B. T. Soifer, J. Surace, H. I. Teplitz, G. Wilson, & L. Yan.* 154, 166 (2004)

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101. *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

**GALAXIES: QUASARS: INDIVIDUAL****Alphanumeric: APM 08279+5255**

*Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar *APM 08279+5255*. *B. T. Soifer, V. Charmandaris, B. R. Brandl, L. Armus, P. N. Appleton, M. J. Burgdorf, D. Devost, T. Herter, S. J. U. Higdon, J. L. Higdon, J. R. Houck, C. R. Lawrence, P. W. Morris, H. I. Teplitz, K. I. Uchida, J. van Cleve, & D. Weedman.* 154, 151 (2004)

**GALAXIES: SEYFERT**

Obscured and Unobscured Active Galactic Nuclei in the *Spitzer* Space Telescope First Look Survey. *M. Lacy, L. J. Storrie-Lombardi, A. Sajina, P. N. Appleton, L. Armus, S. C. Chapman, P. I. Choi, D. Fadda, F. Fang, D. T. Frayer, I. Heinrichsen, G. Helou, M. Im, F. R. Marleau, F. Masci, D. L. Shupe, B. T. Soifer, J. Surace, H. I. Teplitz, G. Wilson, & L. Yan.* 154, 166 (2004)

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101. *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

**GALAXIES: SPIRAL**

Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81. *K. D. Gordon, P. G. Pérez-González, K. A. Misselt, E. J. Murphy, G. J. Bendo, F. Walter, M. D. Thornley, R. C. Kennicutt, Jr., G. H. Rieke, C. W. Engelbracht, J. D. T. Smith, A. Alonso-Herrero, P. N. Appleton, D. Calzetti, D. A. Dale, B. T. Draine, D. T. Frayer, G. Helou, J. L. Hinz, D. C. Hines, D. M. Kelly, J. E. Morrison, J. Muzerolle, M. W. Regan, J. A. Stansberry, S. R. Stolovy, L. J. Storrie-Lombardi, K. Y. L. Su, & E. T. Young.* 154, 215 (2004)

Infrared Array Camera (IRAC) Observations of M81. *S. P. Willner, M. L. N. Ashby, P. Barnaby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Stolovy, & L. Storrie-Lombardi.* 154, 222 (2004)

Energy Sources for the Far-Infrared Emission of M33. *J. L. Hinz, G. H. Rieke, K. D. Gordon, P. G. Pérez-González, C. W. Engelbracht, A. Alonso-Herrero, J. E. Morrison, K. Misselt, D. C. Hines, R. D. Gehr, E. Polomski, C. E. Woodward, R. M. Humphreys, M. W. Regan, J. Rho, J. W. Beeman, & E. E. Haller.* 154, 259 (2004)

**GALAXIES: STARBURST**

Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey. *Lin Yan, George Helou, D. Fadda, F. R. Marleau, M. Lacy, G. Wilson, B. T. Soifer, I. Dzordovsky, F. Masci, L. Armus, H. I. Teplitz, D. T. Frayer, J. Surace, L. J. Storrie-Lombardi, P. N. Appleton, S. Chapman, P. Choi, F. Fan, I. Heinrichsen, M. Im, M. Schmitz, D. L. Shupe, & G. K. Squires.* 154, 60 (2004)

*Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1-2$ ? *Lin Yan, Philip I. Choi, D. Fadda, F. R. Marleau, B. T. Soifer, M. Im, L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson.* 154, 75 (2004)

Extremely Red Objects in the Lockman Hole. *G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barnaby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace.* 154, 107 (2004)

*Spitzer* Observations of MAMBO Galaxies: Weeding out Active Nuclei in Starbursting Protellipticals. *R. J. Ivison, T. R. Greve, S. Serjeant, F. Bertoldi, E. Egami, A. M. J. Mortier, A. Alonso-Herrero, P. Barnaby, L. Bai, H. Dole, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, J. S. Huang, E. Le Floc'h, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, G. H. Rieke, J. Rigby, D. Rigopoulou, I. Smail, G. Wilson, & S. P. Willner.* 154, 124 (2004)

Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field. *D. T. Frayer, S. C. Chapman, L. Yan, L. Armus, G. Helou, D. Fadda, R. Morganti, M. A. Garrett, P. Appleton, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, F. Marleau, F. J. Masci, D. L. Shupe, B. T. Soifer, G. K. Squires, L. J. Storrie-Lombardi, J. A. Surace, H. I. Teplitz, & G. Wilson.* 154, 137 (2004)

Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ . *V. Charmandaris, K. I. Uchida, D. Weedman, T. Hertter, J. R. Houck, H. I. Teplitz, L. Armus, B. R. Brandl, S. J. U. Higdon, B. T. Soifer, P. N. Appleton, J. van Cleve, & J. L. Higdon.* 154, 142 (2004)

First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Hertter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao.* 154, 174 (2004)

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101. *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Hertter, J. Treoltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

*Spitzer* Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714. *B. R. Brandl, D. Devost, S. J. U. Higdon, V. Charmandaris, D. Weedman, H. W. W. Spoon, T. L. Hertter, L. Hao, J. Bernard-Salas, J. R. Houck, L. Armus, B. T. Soifer, C. J. Grillmair, & P. N. Appleton.* 154, 188 (2004)

The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies). *Z. Wang, G. G. Fazio, M. L. N. Ashby, J. S. Huang, M. A. Pahre, H. A. Smith, S. P. Willner, W. J. Forrest, J. L. Pipher, & J. A. Surace.* 154, 193 (2004)

The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335-052. *J. R. Houck, V. Charmandaris, B. R. Brandl, D. Weedman, T. Hertter, L. Armus, B. T. Soifer, J. Bernard-Salas, H. W. W. Spoon, D. Devost, & K. I. Uchida.* 154, 211 (2004)

*Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0-0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio. *Daniel Devost, Bernhard R. Brandl, L. Armus, D. J. Barry, G. C. Sloan, Vassilis Charmandaris, Henrik Spoon, Jeronimo Bernard-Salas, & James R. Houck.* 154, 242 (2004)

**GALAXIES: STATISTICS**

Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey. *Seb Oliver, Ian Waddington, Eduardo Gonzalez-Solares, Jason Surace, Fan Fang, Dave Shupe, Tom Jarrett, Carol Lonsdale, Cong (Kevin) Xu, Duncan Farrah, Malcolm Salaman, Michael Rowan-Robinson, Brian Siana, & H. E. (Gene) Smith.* 154, 30 (2004)

Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey. *Francine R. Marleau, D. Fadda, L. J. Storrie-Lombardi, G. Helou, D. Makarov, D. T. Frayer, L. Yan, P. N. Appleton, L. Armus, S. Chapman, P. I. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, D. Shupe, B. T. Soifer, G. K. Squires, J. Surace, H. I. Teplitz, & G. Wilson.* 154, 66 (2004)

Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys. *H. Dole, E. Le Floc'h, P. G. Pérez-González, C. Papovich, E. Egami, G. Lagache, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, D. C. Hines, O. Krause, K. A. Misselt, J. E. Morrison, G. H. Rieke, M. J. Rieke, J. R. Rigby, E. T. Young, L. Bai, M. Blaylock, G. Neugebauer, C. A. Beichman, D. T. Frayer, J. R. Mould, & P. L. Richards.* 154, 87 (2004)

**GALAXIES: STELLAR CONTENT**

Deep Mid-Infrared Observations of Lyman Break Galaxies. *P. Barnaby, J. S. Huang, G. G. Fazio, J. A. Surace, R. G. Arendt, J. L. Hora, M. A. Pahre, K. L. Adelberger, P. Eisenhardt, D. K. Erb, M. Pettini, W. T. Reach, N. A. Reddy, A. E. Shapley, C. C. Steidel, D. Stern, Z. Wang, & S. P. Willner.* 154, 97 (2004)

Infrared Array Camera (IRAC) Observations of M81. *S. P. Willner, M. L. N. Ashby, P. Barnaby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Stolovy, & L. Storrie-Lombardi.* 154, 222 (2004)

**GALAXIES: STRUCTURE**

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 235 (2004)

Energy Sources for the Far-Infrared Emission of M33. *J. L. Hinz, G. H. Rieke, K. D. Gordon, P. G. Pérez-González, C. W. Engelbracht, A. Alonso-Herrero, J. E. Morrison, K. Misselt, D. C. Hines, R. D. Gehr, E. Polomski, C. E. Woodward, R. M. Humphreys, M. W. Regan, J. Rho, J. W. Beeman, & E. E. Haller.* 154, 259 (2004)

**GALAXY: DISK**

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. *II. M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz.* 154, 553 (2004)

**GALAXY: GENERAL**

Discovery of a Distant Star Formation Region Using GLIMPSE. *E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell.* 154, 328 (2004)

**GALAXY: OPEN CLUSTERS AND ASSOCIATIONS: INDIVIDUAL**

**Messier Number: M47**

New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years. *Nadya Gorlova, Deborah L. Padgett, George H. Rieke, James Muzerolle, Jane E. Morrison, Karl D. Gordon, Chad W. Engelbracht, Dean C. Hines, Joannah C. Hinz, Alberto Noriega-Crespo, Luisa Rebull, John A. Stansberry, Karl R. Stapelfeldt, Kate Y. L. Su, & Erick T. Young.* 154, 448 (2004)

**NGC Number: NGC 2547**

*Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years. *E. T. Young, C. J. Lada, P. Teixeira, J. Muzerolle, A. Muench, J. Stauffer, C. A. Beichman, G. H. Rieke, D. C. Hines, K. Y. L. Su, C. W. Engelbracht,*

*K. D. Gordon, K. Misselt, J. Morrison, J. Stansberry, & D. Kelly.* 154, 428 (2004)

#### NGC Number: NGC 7129

The 24 Micron View of Embedded Star Formation in NGC 7129. *J. Muzerolle, S. T. Megeath, R. A. Gutermuth, L. E. Allen, J. L. Pipher, L. Hartmann, K. D. Gordon, D. L. Padgett, A. Noriega-Crespo, P. C. Myers, G. G. Fazio, G. H. Rieke, E. T. Young, J. E. Morrison, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, & K. A. Misselt.* 154, 379 (2004)

#### GAMMA RAYS: OBSERVATIONS

The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. *B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Barret.* 154, 585 (2004)

#### GRAVITATIONAL LENSING

*Spitzer Space Telescope Observations of the Aftermath of Microlensing Event MACHO-LMC-5. Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

#### INFRARED: GALAXIES

Angular Clustering of Galaxies at 3.6 Microns from the *Spitzer* Wide-Area Infrared Extragalactic (SWIRE) Survey. *Seb Oliver, Ian Waddington, Eduardo Gonzalez-Solares, Jason Surace, Fan Fang, Dave Shupe, Tom Jarrett, Carol Lonsdale, Cong (Kevin) Xu, Duncan Farrah, Malcolm Salaman, Michael Rowan-Robinson, Brian Siana, & H. E. (Gene) Smith.* 154, 30 (2004)

The First Measurements of Galaxy Clustering from Infrared Array Camera (IRAC) Data of the *Spitzer* First Look Survey. *Fan Fang, David L. Shupe, Gillian Wilson, Mark Lacy, Dario Fadda, Tom Jarrett, Frank Masci, P. N. Appleton, Lee Armus, Scott Chapman, Philip I. Choi, D. T. Frayer, Ingolf Heinrichsen, George Helou, Myungshin Im, Francine R. Marleau, B. T. Soifer, Gordon K. Squires, L. J. Storrie-Lombardi, Jason Surace, Harry I. Teplitz, & Lin Yan.* 154, 35 (2004)

Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*. *G. G. Fazio, M. L. N. Ashby, P. Barmby, J. L. Hora, J. S. Huang, M. A. Pahre, Z. Wang, S. P. Willner, R. G. Arendt, S. H. Moseley, M. Brodwin, P. Eisenhardt, Daniel Stern, E. V. Tollestrup, & E. L. Wright.* 154, 39 (2004)

Infrared Array Camera (IRAC) Imaging of the Lockman Hole. *J. S. Huang, P. Barmby, G. G. Fazio, S. P. Willner, G. Wilson, D. Rigopoulou, A. Alonso-Herrero, H. Dole, E. Egami, E. Le Floc'h, C. Papovich, P. G. Pérez-González, J. Rigby, C. W. Engelbracht, K. Gordon, D. Hines, M. Rieke, G. H. Rieke, K. Meisenheimer, & S. Miyazaki.* 154, 44 (2004)

The Infrared Array Camera (IRAC) Shallow Survey. *P. R. Eisenhardt, D. Stern, M. Brodwin, G. G. Fazio, G. H. Rieke, M. J. Rieke, M. W. Werner, E. L. Wright, L. E. Allen, R. G. Arendt, M. L. N. Ashby, P. Barmby, W. J. Forrest, J. L. Hora, J. S. Huang, J. Huchra, M. A. Pahre, J. L. Pipher, W. T. Reach, H. A. Smith, J. R. Stauffer, Z. Wang, S. P. Willner, M. J. Brown, A. Dey, B. T. Jannuzi, & G. P. Tiede.* 154, 48 (2004)

First Insights into the *Spitzer* Wide-Area Infrared Extragalactic Legacy Survey (SWIRE) Galaxy Populations. *Carol Lonsdale, María del Carmen Polletta, Jason Surace, Dave Shupe, Fan Fang, C. Kevin Xu, Harding E. Smith, Brian Siana, Michael Rowan-Robinson, Tom Babbidge, Seb Oliver, Francesca Pozzi, Payam Davoodi, Frazer Owen, Deborah Padgett, Dave Frayer, Tom Jarrett, Frank Masci, JoAnne O'Linger, Tim Conrow, Duncan Farrah, Glenn Morrison, Nick Gautier, Alberto Franceschini, Stefano Berta, Ismael Pérez-Fournon, Hervé Dole, Gordon Stacey, Steve Serjeant, Marguerite Pierre, Matt Griffin, & Rick Puerter.* 154, 54 (2004)

Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey. *Lin Yan, George Helou, D. Fadda, F. R. Marleau, M. Lacy, G. Wilson, B. T. Soifer, I. Dzordzovsky, F. Masci, L. Armus, H. I. Teplitz, D. T. Frayer, J. Surace, L. J. Storrie-Lombardi, P. N. Appleton, S. Chapman, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, D. Shupe, B. T. Soifer, G. Squires, J. Surace, H. I. Teplitz, & G. Wilson.* 154, 60 (2004)

Extragalactic Source Counts at 24 Microns in the *Spitzer* First Look Survey. *Francine R. Marleau, D. Fadda, L. J. Storrie-Lombardi, G. Helou, D. Makovoz, D. T. Frayer, L. Yan, P. N. Appleton, L. Armus, S. Chapman, P. I. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, D. Shupe, B. T. Soifer, G. Squires, J. Surace, H. I. Teplitz, & G. Wilson.* 154, 66 (2004)

The 24 Micron Source Counts in Deep *Spitzer Space Telescope* Surveys. *C. Papovich, H. Dole, E. Egami, E. Le Floc'h, P. G. Pérez-González, A. Alonso-Herrero, L. Bai, C. A. Beichman, M. Blaylock, C. W.*

*Engelbracht, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Mould, J. Muzerolle, G. Neugebauer, P. L. Richards, G. H. Rieke, M. J. Rieke, J. R. Rigby, K. Y. L. Su, & E. T. Young.* 154, 70 (2004)

*Spitzer* 24 Micron Observations of Optical/Near-Infrared Selected Extremely Red Galaxies: Evidence for Assembly of Massive Galaxies at  $z \sim 1$ –2? *Lin Yan, Philip I. Choi, D. Fadda, F. R. Marleau, B. T. Soifer, M. Im, L. Armus, D. T. Frayer, L. J. Storrie-Lombardi, D. J. Thompson, H. I. Teplitz, G. Helou, P. N. Appleton, S. Chapman, F. Fan, I. Heinrichsen, M. Lacy, D. L. Shupe, G. K. Squires, J. Surace, & G. Wilson.* 154, 75 (2004)

The Nature of Faint 24 Micron Sources Seen in *Spitzer Space Telescope* Observations of ELAIS-N1. *R. Chary, S. Casertano, M. E. Dickinson, H. C. Ferguson, P. R. M. Eisenhardt, D. Elbaz, N. A. Grogin, L. A. Moustakas, W. T. Reach, & H. Yan.* 154, 80 (2004)

Far-Infrared Source Counts at 70 and 160 Microns in *Spitzer* Deep Surveys. *H. Dole, E. Le Floc'h, P. G. Pérez-González, C. Papovich, E. Egami, G. Lagache, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, D. C. Hines, O. Krause, K. A. Misselt, J. E. Morrison, G. H. Rieke, M. J. Rieke, J. R. Rigby, E. T. Young, L. Bai, M. Blaylock, G. Neugebauer, C. A. Beichman, D. T. Frayer, J. R. Mould, & P. L. Richards.* 154, 87 (2004)

Deep Mid-Infrared Observations of Lyman Break Galaxies. *P. Barmby, J. S. Huang, G. G. Fazio, J. A. Surace, R. G. Arendt, J. L. Hora, M. A. Pahre, K. L. Adelberger, P. Eisenhardt, D. K. Erb, M. Pettini, W. T. Reach, N. A. Reddy, A. E. Shapley, C. C. Steidel, D. Stern, Z. Wang, & S. P. Willner.* 154, 97 (2004)

Rest-Frame Mid-Infrared Detection of an Extremely Luminous Lyman Break Galaxy with the *Spitzer* Infrared Spectrograph (IRS). *H. I. Teplitz, V. Charmandaris, L. Armus, P. N. Appleton, J. R. Houck, B. T. Soifer, D. Weedman, B. R. Brandl, J. van Cleve, C. Grillmair, & K. I. Uchida.* 154, 103 (2004)

Extremely Red Objects in the Lockman Hole. *G. Wilson, J. S. Huang, P. G. Pérez-González, E. Egami, R. J. Ivison, J. R. Rigby, A. Alonso-Herrero, P. Barmby, H. Dole, G. G. Fazio, E. Le Floc'h, C. Papovich, D. Rigopoulou, L. Bai, C. W. Engelbracht, D. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, G. H. Rieke, M. J. Rieke, & J. Surace.* 154, 107 (2004)

Polyyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ . *G. Lagache, H. Dole, J. L. Puget, P. G. Pérez-González, E. Le Floc'h, G. H. Rieke, C. Papovich, E. Egami, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, K. A. Misselt, & J. E. Morrison.* 154, 112 (2004)

Submillimeter Detectors of *Spitzer Space Telescope* Galaxy Populations. *S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bai, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson.* 154, 118 (2004)

*Spitzer* Observations of the SCUBA/VLA Sources in the Lockman Hole: Star Formation History of Infrared-luminous Galaxies. *E. Egami, H. Dole, J. S. Huang, P. G. Pérez-González, E. Le Floc'h, C. Papovich, P. Barmby, R. J. Ivison, S. Serjeant, A. Mortier, D. T. Frayer, D. Rigopoulou, G. Lagache, G. H. Rieke, S. P. Willner, A. Alonso-Herrero, L. Bai, C. W. Engelbracht, G. G. Fazio, K. D. Gordon, D. C. Hines, K. A. Misselt, S. Miyazaki, J. E. Morrison, M. J. Rieke, J. Rigby, & G. Wilson.* 154, 130 (2004)

Infrared Properties of Radio-Selected Submillimeter Galaxies in the *Spitzer* First Look Survey Verification Field. *D. T. Frayer, S. C. Chapman, L. Yan, L. Armus, G. Helou, D. Fadda, R. Morganti, M. A. Garrett, P. Appleton, P. Choi, F. Fang, I. Heinrichsen, M. Im, M. Lacy, F. Marleau, F. J. Masci, D. L. Shupe, B. T. Soifer, G. K. Squires, L. J. Storrie-Lombardi, J. A. Surace, H. I. Teplitz, & G. Wilson.* 154, 137 (2004)

Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ . *V. Charmandaris, K. I. Uchida, D. Weedman, T. Herter, J. R. Houck, H. I. Teplitz, L. Armus, B. R. Brandl, S. J. U. Higdon, B. T. Soifer, P. N. Appleton, J. van Cleve, & J. L. Higdon.* 154, 142 (2004)

The Far- and Mid-Infrared/Radio Correlations in the *Spitzer* Extragalactic First Look Survey. *P. N. Appleton, D. T. Fadda, F. R. Marleau, D. T. Frayer, G. Helou, J. J. Condon, P. I. Choi, L. Yan, M. Lacy, G. Wilson, L. Armus, S. C. Chapman, F. Fang, I. Heinrichsen, M. Im, B. T. Jannuzi, L. J.*

*Storrie-Lombardi, D. Shupe, B. T. Soifer, G. Squires, & H. I. Teplitz.* 154, 147 (2004)

The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts. *A. Alonso-Herrero, P. G. Pérez-González, J. Rigby, G. H. Rieke, E. Le Floc'h, P. Barmby, M. J. Page, C. Papovich, H. Dole, E. Egami, J. S. Huang, D. Rigopoulou, D. Cristóbal-Hornillos, C. Eliche-Moral, M. Balcells, M. Prieto, P. Erwin, C. W. Engelbracht, K. D. Gordon, M. Werner, S. P. Willner, G. G. Fazio, D. Frayer, D. Hines, D. Kelly, W. Latter, K. Misselt, S. Miyazaki, J. Morrison, M. J. Rieke, G. Wilson, Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 155 (2004)

24 Micron Properties of X-Ray-selected Active Galactic Nuclei. *J. R. Rigby, G. H. Rieke, R. Maiolino, R. Gilli, C. Papovich, P. G. Pérez-González, A. Alonso-Herrero, E. Le Floc'h, C. W. Engelbracht, K. Gordon, D. C. Hines, J. L. Hinz, J. E. Morrison, J. Muzerolle, M. J. Rieke, & K. Y. L. Su.* 154, 160 (2004)

Obscured and Unobscured Active Galactic Nuclei in the *Spitzer Space Telescope* First Look Survey. *M. Lacy, L. J. Storrie-Lombardi, A. Sajina, P. N. Appleton, L. Armus, S. C. Chapman, P. I. Choi, D. Fadda, F. Fang, D. T. Frayer, I. Heinrichsen, G. Helou, M. Im, F. R. Marleau, F. Masci, D. L. Shupe, B. T. Soifer, J. Surace, H. I. Teplitz, G. Wilson, & L. Yan.* 154, 166 (2004)

Identification of Luminous Infrared Galaxies at  $1 \lesssim z \lesssim 2.5$ . *E. Le Floc'h, P. G. Pérez-González, G. H. Rieke, C. Papovich, J. S. Huang, P. Barmby, H. Dole, E. Egami, A. Alonso-Herrero, G. Wilson, S. Miyazaki, J. R. Rigby, L. Bei, M. Blaylock, C. W. Engelbracht, G. G. Fazio, D. T. Frayer, K. D. Gordon, D. C. Hines, K. A. Misselt, J. E. Morrison, J. Muzerolle, M. J. Rieke, D. Rigopoulou, K. Y. L. Su, S. P. Willner, & E. T. Young.* 154, 170 (2004)

First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter, V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao.* 154, 174 (2004)

Observations of Ultraluminous Infrared Galaxies with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*: Early Results on Markarian 1014, Markarian 463, and UGC 5101. *L. Armus, V. Charmandaris, H. W. W. Spoon, J. R. Houck, B. T. Soifer, B. R. Brandl, P. N. Appleton, H. I. Teplitz, S. J. U. Higdon, D. W. Weedman, D. Devost, P. W. Morris, K. I. Uchida, J. van Cleve, D. J. Barry, G. C. Sloan, C. J. Grillmair, M. J. Burgdorf, S. B. Fajardo-Acosta, J. G. Ingalls, J. Higdon, L. Hao, J. Bernard-Salas, T. Herter, J. Troeltzsch, B. Unruh, & M. Winghart.* 154, 178 (2004)

Fire and Ice: *Spitzer* Infrared Spectrograph (IRS) Mid-Infrared Spectroscopy of IRAS F00183–7111. *H. W. W. Spoon, L. Armus, J. Cami, A. G. G. M. Tielens, J. E. Chiar, E. Peeters, J. V. Keane, V. Charmandaris, P. N. Appleton, H. I. Teplitz, & M. J. Burgdorf.* 154, 184 (2004)

Spitzer Infrared Spectrograph Spectroscopy of the Prototypical Starburst Galaxy NGC 7714. *B. R. Brandl, D. Devost, S. J. U. Higdon, V. Charmandaris, D. Weedman, H. W. W. Spoon, T. L. Herter, L. Hao, J. Bernard-Salas, J. R. Houck, L. Armus, B. T. Soifer, C. J. Grillmair, & P. N. Appleton.* 154, 188 (2004)

The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies). *Z. Wang, G. G. Fazio, M. L. N. Ashby, J. S. Huang, M. A. Pahre, H. A. Smith, S. P. Willner, W. J. Forrest, J. L. Pipher, & J. A. Surace.* 154, 193 (2004)

Mid-Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy. *J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo, D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kewley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thorne, F. Walter, & M. G. Wolfire.* 154, 199 (2004)

The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335–052. *J. R. Houck, V. Charmandaris, B. R. Brandl, D. Weedman, T. Herter, L. Armus, B. T. Soifer, J. Bernard-Salas, H. W. W. Spoon, D. Devost, & K. I. Uchida.* 154, 211 (2004)

Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81. *K. D. Gordon, P. G. Pérez-González, K. A. Misselt, E. J. Murphy, G. J. Bendo, F. Walter, M. D. Thorne, R. C. Kennicutt, Jr., G. H. Rieke, C. W. Engelbracht, J. D. T. Smith, A. Alonso-Herrero, P. N. Appleton, D. Calzetti, D. A. Dale, B. T. Draine, D. T. Frayer, G. Helou, J. L. Hinz, D. C. Hines, D. M. Kelly, J. E. Morrison, J. Muzerolle, M. W. Regan, J. A. Stansberry, S. R. Stolovy, L. J. Storrie-Lombardi, K. Y. L. Su, & E. T. Young.* 154, 215 (2004)

Infrared Array Camera (IRAC) Observations of M81. *S. P. Willner, M. L. N. Ashby, P. Barmby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Stolovy, & L. Storrie-Lombardi.* 154, 222 (2004)

Spatial Distribution of Warm Dust in Early-Type Galaxies. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 235 (2004)

*Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H $_2$  (0–0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio. *Daniel Devost, Bernhard R. Brandl, L. Armus, D. J. Barry, G. C. Sloan, Vassilis Charmandaris, Henrik Spoon, Jeronimo Bernard-Salas, & James R. Houck.* 154, 242 (2004)

Far-Infrared Imaging of NGC 55. *C. W. Engelbracht, K. D. Gordon, G. J. Bendo, P. G. Pérez-González, K. A. Misselt, G. H. Rieke, E. T. Young, D. C. Hines, D. M. Kelly, J. A. Stansberry, C. Papovich, J. E. Morrison, E. Egami, K. Y. L. Su, J. Muzerolle, H. Dole, A. Alonso-Herrero, J. L. Hinz, P. S. Smith, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, J. Rho, D. T. Frayer, & S. Wachter.* 154, 248 (2004)

The Anatomy of Star Formation in NGC 300. *G. Helou, H. Roussel, P. Appleton, D. Frayer, S. Stolovy, L. Storrie-Lombardi, R. Hurt, P. Lowrance, D. Makovoz, F. Masci, J. Surace, K. D. Gordon, A. Alonso-Herrero, C. W. Engelbracht, K. Misselt, G. Rieke, M. Rieke, S. P. Willner, M. Pahre, M. L. N. Ashby, G. G. Fazio, & H. A. Smith.* 154, 253 (2004)

Energy Sources for the Far-Infrared Emission of M33. *J. L. Hinz, G. H. Rieke, K. D. Gordon, P. G. Pérez-González, C. W. Engelbracht, A. Alonso-Herrero, J. E. Morrison, K. Misselt, D. C. Hines, R. D. Gehrz, E. Polomski, C. E. Woodward, R. M. Humphreys, M. W. Regan, J. Rho, J. W. Beeman, & E. E. Haller.* 154, 259 (2004)

**INFRARED: GENERAL**

The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*. *G. G. Fazio, J. L. Hora, L. E. Allen, M. L. N. Ashby, P. Barmby, L. K. Deutsch, J. S. Huang, S. Kleiner, M. Marengo, S. T. Megeath, G. J. Melnick, M. A. Pahre, B. M. Patten, J. Polizotti, H. A. Smith, R. S. Taylor, Z. Wang, S. P. Willner, W. F. Hoffmann, J. L. Pipher, W. J. Forrest, C. W. McMurry, C. R. McCreight, M. E. McKelvey, R. E. McMurray, D. G. Koch, S. H. Moseley, R. G. Arendt, J. E. Mentzell, C. T. Marx, P. Losch, P. Mayman, W. Eichhorn, D. Krebs, M. Jhabvala, D. Y. Gezari, D. J. Fixsen, J. Flores, K. Shakoorzadeh, R. Jungo, C. Hakun, L. Workman, G. Karpati, R. Kichak, R. Whitley, S. Mann, E. V. Tollesstrup, P. Eisenhardt, D. Stern, V. Gorjian, B. Bhattacharya, S. Carey, B. O. Nelson, W. J. Glaccum, M. Lacy, P. J. Lowrance, S. Laine, W. T. Reach, J. A. Stauffer, J. A. Surace, G. Wilson, E. L. Wright, A. Hoffman, G. Domingo, & M. Cohen.* 154, 10 (2004)

The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *J. R. Houck, T. L. Roellig, J. van Cleve, W. J. Forrest, T. Herter, C. R. Lawrence, K. Matthews, H. J. Reitsema, B. T. Soifer, D. M. Watson, D. Weedman, M. Huijen, J. Troeltzsch, D. J. Barry, J. Bernard-Salas, C. E. Blacken, B. R. Brandl, V. Charmandaris, D. Devost, G. E. Gull, P. Hall, C. P. Henderson, S. J. U. Higdon, B. E. Pirger, J. Schoenwald, G. C. Sloan, K. I. Uchida, P. N. Appleton, L. Armus, M. J. Burgdorf, S. B. Fajardo-Acosta, C. J. Grillmair, J. G. Ingalls, P. W. Morris, & H. I. Teplitz.* 154, 18 (2004)

The Multiband Imaging Photometer for *Spitzer* (MIPS). *G. H. Rieke, E. T. Young, C. W. Engelbracht, D. M. Kelly, F. J. Low, E. E. Haller, J. W. Beeman, K. D. Gordon, J. A. Stansberry, K. A. Misselt, J. Cadien, J. E. Morrison, G. Rivlis, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, K. R. Stapelfeldt, D. C. Hines, E. Egami, J. Muzerolle, A. Alonso-Herrero, M. Blaylock, H. Dole, J. L. Hinz, E. Le Floc'h, C. Papovich, P. G. Pérez-González, P. S. Smith, K. Y. L. Su, L. Bennett, D. T. Frayer, D. Henderson, N. Lu, F. Masci, M. Pesenson, L. Rebull, J. Rho, J. Keene, S. Stolovy, S. Wachter, W. Wheaton, M. W. Werner, & P. L. Richards.* 154, 25 (2004)

A GLIMPSE of Star Formation in the Giant H II Region RCW 49. *B. A. Whitney, R. Indebetouw, B. L. Babler, M. R. Meade, C. Watson, M. J. Wolff, M. G. Wolfire, D. P. Clemens, T. M. Bania, R. A. Benjamin, M. Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, S. R. Stolovy, & E. Churchwell.* 154, 315 (2004)

**INFRARED: ISM**

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey. *James G. Ingalls, M. A. Miville-Deschénes, William T. Reach, A. Noriega-Crespo, Sean J. Carey, F. Boulanger, S. R. Stolovy, Deborah L. Padgett, M. J. Burgdorf, S. B. Fajardo-Acosta, W. J. Glaccum, G. Helou, D. W. Hoard, J. Karr, J. O'Linger, L. M. Rebull, J. Rho, J. R. Stauffer, & S. Wachter.* 154, 281 (2004)

*Spitzer* Space Telescope View of Diffuse Near-Infrared Continuum Emission in the Galaxy. *Nanyao Lu.* 154, 286 (2004)

Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS). *D. C. Hines, G. H. Rieke, K. D. Gordon, J. Rho, K. A. Misselt, C. E. Woodward, M. W. Werner, O. Krause, W. B. Latter, C. W. Engelbracht, E. Egami, D. M. Kelly, J. Muzerolle, J. A. Stansberry, K. Y. L. Su, J. E. Morrison, E. T. Young, A. Noriega-Crespo, D. L. Padgett, R. D. Gehrz, E. Polomski, J. W. Beeman, & E. E. Haller.* 154, 290 (2004)

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer* Space Telescope. *E. Churchwell, B. A. Whitney, B. L. Babler, R. Indebetouw, M. R. Meade, Christa Watson, M. J. Wolff, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, Martin Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, S. R. Stolovy, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy.* 154, 322 (2004)

Discovery of a Distant Star Formation Region Using GLIMPSE. *E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell.* 154, 328 (2004)

DR 21: A Major Star Formation Site Revealed by *Spitzer*. *A. P. Marston, W. T. Reach, A. Noriega-Crespo, J. Rho, H. A. Smith, G. Melnick, G. Fazio, G. Rieke, S. Carey, L. Rebull, J. Muzerolle, E. Egami, D. M. Watson, J. L. Pipher, W. B. Latter, & K. Stapelfeldt.* 154, 333 (2004)

Excitation of Molecular Material near the Young Stellar Object LkHα 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 339 (2004)

Models for the Infrared Cavity of HH 46/47. *A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Vélezáquez.* 154, 346 (2004)

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. *Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke.* 154, 352 (2004)

*Spitzer* Space Telescope Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Adwin Boogert, Klaus M. Pontoppidan, Fred Lahuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheijde, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, & Karl R. Stapelfeldt.* 154, 359 (2004)

Protostars in the Elephant Trunk Nebula. *William T. Reach, Jeonghee Rho, Erick Young, James Muzerolle, Sergio Fajardo-Acosta, Lee Hartmann, Aurora Sicilia-Aguilar, Lori Allen, Sean Carey, Jean-Charles Cuillandre, Thomas H. Jarrett, Patrick Lowrance, Anthony Marston, Alberto Noriega-Crespo, & Robert L. Hurt.* 154, 385 (2004)

**INFRARED: SOLAR SYSTEM**

*Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1. *J. A. Stansberry, J. Van Cleve, W. T. Reach, D. P. Cruikshank, J. P. Emery, Y. R. Fernandez, V. S. Meadows, K. Y. L. Su, K. Misselt, G. H. Rieke, E. T. Young, M. W. Werner, C. W. Engelbracht,*

*K. D. Gordon, D. C. Hines, D. M. Kelly, J. E. Morrison, & J. Muzerolle.* 154, 463 (2004)

**INFRARED: STARS**

The Infrared Array Camera (IRAC) Shallow Survey. *P. R. Eisenhardt, D. Stern, M. Brodwin, G. G. Fazio, G. H. Rieke, M. J. Rieke, M. W. Werner, E. L. Wright, L. E. Allen, R. G. Arendt, M. L. N. Ashby, P. Barnby, W. J. Forrest, J. L. Hora, J. S. Huang, J. Huchra, M. A. Pahre, J. L. Pipher, W. T. Reach, H. A. Smith, J. R. Stauffer, Z. Wang, S. P. Willner, M. J. I. Brown, A. Dey, B. T. Jannuzi, & G. P. Tiede.* 154, 48 (2004)

*Spitzer* Space Telescope Observations of the Aftermath of Microlensing Event MACHO-LMC-5. *Hien T. Nguyen, Nitya Kallivayalil, Michael W. Werner, Charles Alcock, Brian M. Patten, & Daniel Stern.* 154, 266 (2004)

A GLIMPSE of Star Formation in the Giant H II Region RCW 49. *B. A. Whitney, R. Indebetouw, B. L. Babler, M. R. Meade, C. Watson, M. J. Wolff, M. G. Wolfire, D. P. Clemens, T. M. Bania, R. A. Benjamin, M. Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, S. R. Stolovy, & E. Churchwell.* 154, 315 (2004)

Discovery of a Distant Star Formation Region Using GLIMPSE. *E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell.* 154, 328 (2004)

Excitation of Molecular Material near the Young Stellar Object LkHα 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 339 (2004)

Infrared Array Camera (IRAC) Colors of Young Stellar Objects. *Lori E. Allen, Nuria Calvet, Paola D'Alessio, Bruno Merin, Lee Hartmann, S. Thomas Megeath, Robert A. Gutermuth, James Muzerolle, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 363 (2004)

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio.* 154, 367 (2004)

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

The 24 Micron View of Embedded Star Formation in NGC 7129. *J. Muzerolle, S. T. Megeath, R. A. Gutermuth, L. E. Allen, J. L. Pipher, L. Hartmann, K. D. Gordon, D. L. Padgett, A. Noriega-Crespo, P. C. Myers, G. G. Fazio, G. H. Rieke, E. T. Young, J. E. Morrison, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, & K. A. Misselt.* 154, 379 (2004)

Mid-Infrared Spectra of Class I Protostars in Taurus. *Dan M. Watson, F. Kemper, Nuria Calvet, Luke D. Keller, Elise Furlan, Lee Hartmann, W. J. Forrest, C. H. Chen, Keven I. Uchida, Joel D. Green, B. Sargent, G. C. Sloan, Terry L. Herter, Bernhard R. Brandl, J. R. Houck, J. Najita, Paola D'Alessio, P. C. Myers, D. J. Barry, P. Hall, & P. W. Morris.* 154, 391 (2004)

A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer* Space Telescope. *Chadwick H. Young, Jes K. Jørgensen, Yancy L. Shirley, Jens Kauffmann, Tracy Huard, Shih-Ping Lai, Chang Won Lee, Antonio Crapsi, Tyler L. Bourke, Cornelis P. Dullemond, Timothy Y. Brooke, Alicia Porras, William Spiesman, Lori E. Allen, Geoffrey A. Blake, Neal J. Evans II, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, Karl R. Stapelfeldt, Ewine F. van Dishoeck, Frank Bertoldi, Nicholas Chapman, Lucas Cieza, Christopher H. DeVries, Naomi A. Ridge, & Zahed Wahhaj.* 154, 396 (2004)

Is the Cepheus E Outflow Driven by a Class 0 Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer* Space Telescope Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

*Spitzer* Space Telescope Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). *Patrick W. Morris, Paul A. Crowther, & Jim R. Houck.* 154, 413 (2004)

**Spitzer** Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs. *T. L. Roellig, J. E. Van Cleve, G. C. Sloan, J. C. Wilson, D. Saumon, S. K. Leggett, M. S. Marley, M. C. Cushing, J. D. Kirkpatrick, A. K. Mainzer, & J. R. Houck.* 154, 418 (2004)

The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program. *M. R. Meyer, L. A. Hillenbrand, D. E. Backman, S. V. W. Beckwith, J. Bouwman, T. Y. Brooke, J. M. Carpenter, M. Cohen, U. Gorti, T. Henning, D. C. Hines, D. Hollenbach, J. S. Kim, J. Lunine, R. Malhotra, E. E. Mamajek, S. Metchev, A. Moro-Martín, P. Morris, J. Najita, D. L. Padgett, J. Rodmann, M. D. Silverstone, D. R. Soderblom, J. R. Stauffer, E. B. Stobie, S. E. Strom, D. M. Watson, S. J. Weidenschilling, S. Wolf, E. Young, C. W. Engelbracht, K. D. Gordon, K. Misselt, J. Morrison, J. Muzerolle, & K. Su.* 154, 422 (2004)

An Aggregate of Young Stellar Disks in Lynds 1228 South. *Deborah L. Padgett, L. M. Rebull, A. Noriega-Crespo, Sean J. Carey, Karl R. Stapelfeldt, John R. Stauffer, Martin J. Burgdorf, D. M. Cole, S. B. Fajardo-Acosta, D. T. Frayer, G. Helou, D. W. Hoard, J. Karr, W. B. Latter, P. J. Lowrance, J. O'Linger, F. Masci, S. Ramirez, W. T. Reach, Jeonghee Rho, S. R. Stolovy, & S. Wachter.* 154, 433 (2004)

The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association. *K. I. Uchida, N. Calvet, L. Hartmann, F. Kemper, W. J. Forrest, D. M. Watson, P. D'Alessio, C. H. Chen, E. Furlan, B. Sargent, B. R. Brandl, T. L. Herter, P. Morris, P. C. Myers, J. Najita, G. C. Sloan, D. J. Barry, J. Green, L. D. Keller, & P. Hall.* 154, 439 (2004)

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. *W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers.* 154, 443 (2004)

New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years. *Nadya Gorlova, Deborah L. Padgett, George H. Rieke, James Muzerolle, Jane E. Morrison, Karl D. Gordon, Chad W. Engelbracht, Dean C. Hines, Joannah C. Hinz, Alberto Noriega-Crespo, Luisa Rebull, John A. Stansberry, Karl R. Stapelfeldt, Kate Y. L. Su, & Erick T. Young.* 154, 448 (2004)

Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars. *M. Jura, C. H. Chen, E. Furlan, J. Green, B. Sargent, W. J. Forrest, D. M. Watson, D. J. Barry, P. Hall, T. L. Herter, J. R. Houck, G. C. Sloan, K. Uchida, P. D'Alessio, B. R. Brandl, L. D. Keller, F. Kemper, P. Morris, J. Najita, N. Calvet, L. Hartmann, & P. C. Myers.* 154, 453 (2004)

First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*. *K. R. Stapelfeldt, E. K. Holmes, C. Chen, G. H. Rieke, K. Y. L. Su, D. C. Hines, M. W. Werner, C. A. Beichman, M. Jura, D. L. Padgett, J. A. Stansberry, G. Bendo, J. Cadien, M. Marengo, T. Thompson, T. Velusamy, C. Backus, M. Blaylock, E. Egami, C. W. Engelbracht, D. T. Frayer, K. D. Gordon, J. Keene, W. B. Latter, T. Megeath, K. Misselt, J. E. Morrison, J. Muzerolle, A. Noriega-Crespo, J. Van Cleve, & E. T. Young.* 154, 458 (2004)

The Period-Luminosity Relation for Long-Period Variables in M31. *Jeremy Mould, Abhijit Saha, & Shaun Hughes.* 154, 623 (2004)

The COBE DIRBE Point Source Catalog. *Beverly J. Smith, Stephan D. Price, & Rachel I. Baker.* 154, 673 (2004)

**INSTRUMENTATION: DETECTORS**

The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*. *G. G. Fazio, J. L. Hora, L. E. Allen, M. L. N. Ashby, P. Barmby, L. K. Deutsch, J. S. Huang, S. Kleiner, M. Marengo, S. T. Megeath, G. J. Melnick, M. A. Pahre, B. M. Patten, J. Polizotti, H. A. Smith, R. S. Taylor, Z. Wang, S. P. Willner, W. F. Hoffmann, J. L. Pipher, W. J. Forrest, C. W. McMurry, C. R. McCrae, M. E. McKelvey, R. E. McMurray, D. G. Koch, S. H. Moseley, R. G. Arendt, J. E. Mentzell, C. T. Marx, P. Losch, P. Mayman, W. Eichhorn, D. Krebs, M. Jhabvala, D. Y. Gezari, D. J. Fixsen, J. Flores, K. Shakoorzadeh, R. Jungo, C. Hakun, L. Workman, G. Karpati, R. Kichak, R. Whitley, S. Mann, E. V. Tollestrup, P. Eisenhardt, D. Stern, V. Gorjian, B. Bhattacharya, S. Carey, B. O. Nelson, W. J. Glaccum, M. Lacy, P. J. Lowrance, S. Laine, W. T. Reach, J. A. Stauffer, J. A. Surace, G. Wilson, E. L. Wright, A. Hoffman, G. Domingo, & M. Cohen.* 154, 10 (2004)

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

**INSTRUMENTATION: INTERFEROMETERS**

The Design of Radio Telescope Array Configurations Using Multiobjective Optimization: Imaging Performance versus Cable Length. *Babak E. Cohen, Jacqueline N. Hewitt, & Olivier de Weck.* 154, 705 (2004)

**INSTRUMENTATION: SPECTROGRAPHS**

The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *J. R. Houck, T. L. Roellig, J. van Cleve, W. J. Forrest, T. Herter, C. R. Lawrence, K. Matthews, H. J. Reitsema, B. T. Soifer, D. M. Watson, D. Weedman, M. Huisjen, J. Troeltzsch, D. J. Barry, J. Bernard-Salas, C. E. Blacken, B. R. Brandl, V. Charmandaris, D. Devost, G. E. Gull, P. Hall, C. P. Henderson, S. J. U. Higdon, B. E. Pirger, J. Schoenwald, G. C. Sloan, K. I. Uchida, P. N. Appleton, L. Armus, M. J. Burgdorf, S. B. Fajardo-Acosta, C. J. Grillmair, J. G. Ingalls, P. W. Morris, & H. I. Teplitz.* 154, 18 (2004)

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

**INTERGALACTIC MEDIUM**

The Statistical Discrepancy between the Intergalactic Medium and Dark Matter Fields: One-Point Statistics. *Jesús Pando, Long-long Feng, & Li-Zhi Fang.* 154, 475 (2004)

**INTERPLANETARY MEDIUM**

The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background. *V. S. Meadows, B. Bhattacharya, W. T. Reach, C. Grillmair, A. Noriega-Crespo, E. L. Ryan, S. R. Tyler, L. M. Rebull, J. D. Giorgini, & J. L. Elliot.* 154, 469 (2004)

**ISM: ABUNDANCES**

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

*Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Adwin Boogert, Klaus M. Pontoppidan, Fred Lahuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheijde, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, & Karl R. Stapelfeldt.* 154, 359 (2004)

**ISM: CLOUDS**

DR 21: A Major Star Formation Site Revealed by *Spitzer*. *A. P. Marston, W. T. Reach, A. Noriega-Crespo, J. Rho, H. A. Smith, G. Melnick, G. Fazio, G. Rieke, S. Carey, L. Rebull, J. Muzerolle, E. Egami, D. M. Watson, J. L. Pipher, W. B. Latter, & K. Stapelfeldt.* 154, 333 (2004)

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio.* 154, 367 (2004)

An Aggregate of Young Stellar Disks in Lynds 1228 South. *Deborah L. Padgett, L. M. Rebull, A. Noriega-Crespo, Sean J. Carey, Karl R. Stapelfeldt, John R. Stauffer, Martin J. Burgdorf, D. M. Cole, S. B. Fajardo-Acosta, D. T. Frayer, G. Helou, D. W. Hoard, J. Karr, W. B. Latter, P. J. Lowrance, J. O'Linger, F. Masci, S. Ramirez, W. T. Reach, Jeonghee Rho, S. R. Stolovy, & S. Wachter.* 154, 433 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

**ISM: DUST, EXTINCTION**

Number Counts at 3  $\mu$ m  $< \lambda < 10 \mu$ m from the *Spitzer Space Telescope*. *G. G. Fazio, M. L. N. Ashby, P. Barmby, J. L. Hora, J. S. Huang, M. A. Pahre, Z. Wang, S. P. Willner, R. G. Arendt, S. H. Moseley, M. Brodin, P. Eisenhardt, Daniel Stern, E. V. Tollestrup, & E. L. Wright.* 154, 39 (2004)

Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer* Infrared Spectrograph (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ . *V. Charmandaris, K. I. Uchida, D. Weedman, T. Herter, J. R. Houck, H. I. Teplitz, L. Armus, B. R. Brandl, S. J. U. Higdon, B. T. Soifer, P. N. Appleton, J. van Cleve, & J. L. Higdon.* 154, 142 (2004)

First Mid-Infrared Spectrum of a Faint High- $z$  Galaxy: Observations of CFRS 14.1157 with the Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *S. J. U. Higdon, D. Weedman, J. L. Higdon, T. Herter,*

V. Charmandaris, J. R. Houck, B. T. Soifer, B. R. Brandl, L. Armus, & L. Hao. 154, 174 (2004)

Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy. J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo, D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kewley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thornley, F. Walter, & M. G. Wolfire. 154, 199 (2004)

The Extraordinary Mid-Infrared Spectrum of the Blue Compact Dwarf Galaxy SBS 0335-052. J. R. Houck, V. Charmandaris, B. R. Brandl, D. Weedman, T. Herter, L. Armus, B. T. Soifer, J. Bernard-Salas, H. W. W. Spoon, D. Devost, & K. I. Uchida. 154, 211 (2004)

Spatially Resolved Ultraviolet, H $\alpha$ , Infrared, and Radio Star Formation in M81. K. D. Gordon, P. G. Pérez-González, K. A. Misselt, E. J. Murphy, G. J. Bendo, F. Walter, M. D. Thornley, R. C. Kennicutt, Jr., G. H. Rieke, C. W. Engelbracht, J. D. T. Smith, A. Alonso-Herrero, P. N. Appleton, D. Calzetti, D. A. Dale, B. T. Draine, D. T. Frayer, G. Helou, J. L. Hinz, D. C. Hines, D. M. Kelly, J. E. Morrison, J. Muzerolle, M. W. Regan, J. A. Stansberry, S. R. Stolovy, L. J. Storrie-Lombardi, K. Y. L. Su, & E. T. Young. 154, 215 (2004)

Infrared Array Camera (IRAC) Observations of M81. S. P. Willner, M. L. N. Ashby, P. Barmby, G. G. Fazio, M. Pahre, H. A. Smith, Robert C. Kennicutt, Jr., Daniela Calzetti, Daniel A. Dale, B. T. Draine, Michael W. Regan, S. Malhotra, Michele D. Thornley, P. N. Appleton, D. Frayer, G. Helou, S. Stolovy, & L. Storrie-Lombardi. 154, 222 (2004)

Spatial Distribution of Warm Dust in Early-Type Galaxies. Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner. 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner. 154, 235 (2004)

Far-Infrared Imaging of NGC 55. C. W. Engelbracht, K. D. Gordon, G. J. Bendo, P. G. Pérez-González, K. A. Misselt, G. H. Rieke, E. T. Young, D. C. Hines, D. M. Kelly, J. A. Stansberry, C. Papovich, J. E. Morrison, E. Egami, K. Y. L. Su, J. Muzerolle, H. Dole, A. Alonso-Herrero, J. L. Hinz, P. S. Smith, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, J. Rho, D. T. Frayer, & S. Wachter. 154, 248 (2004)

New Infrared Emission Features and Spectral Variations in NGC 7023. M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry. 154, 309 (2004)

RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer* Space Telescope. E. Churchwell, B. A. Whitney, B. L. Babler, R. Indebetouw, M. R. Meade, Christer Watson, M. J. Wolff, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, Martin Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy. 154, 322 (2004)

**ISM: GLOBULES**

Protostars in the Elephant Trunk Nebula. William T. Reach, Jeonghee Rho, Erick Young, James Muzerolle, Sergio Fajardo-Acosta, Lee Hartmann, Aurora Sicilia-Aguilar, Lori Allen, Sean Carey, Jean-Charles Cuillandre, Thomas H. Jarrett, Patrick Lowrance, Anthony Marston, Alberto Noriega-Crespo, & Robert L. Hurt. 154, 385 (2004)

**ISM: H II REGIONS**

A GLIMPSE of Star Formation in the Giant H II Region RCW 49. B. A. Whitney, R. Indebetouw, B. L. Babler, M. R. Meade, C. Watson, M. J. Wolff, M. G. Wolfire, D. P. Clemens, T. M. Bania, R. A. Benjamin, M. Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy. 154, 315 (2004)

RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer* Space Telescope. E. Churchwell, B. A. Whitney, B. L. Babler, R. Indebetouw, M. R. Meade, Christer Watson, M. J. Wolff, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, Martin Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy. 154, 322 (2004)

Discovery of a Distant Star Formation Region Using GLIMPSE. E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell. 154, 328 (2004)

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz. 154, 553 (2004)

**ISM: HERBIG-HARO OBJECTS**

Models for the Infrared Cavity of HH 46/47. A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Velázquez. 154, 346 (2004)

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke. 154, 352 (2004)

Is the Cepheus E Outflow Driven by a Class O Protostar? Alberto Noriega-Crespo, Amaya Moro-Martin, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle. 154, 402 (2004)

**ISM: INDIVIDUAL**

**Name: Cassiopeia A**

Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS). D. C. Hines, G. H. Rieke, K. D. Gordon, J. Rho, K. A. Misselt, C. E. Woodward, M. W. Werner, O. Krause, W. B. Latter, C. W. Engelbracht, E. Egami, D. M. Kelly, J. Muzerolle, J. A. Stansberry, K. Y. L. Su, J. E. Morrison, E. T. Young, A. Noriega-Crespo, D. L. Padgett, R. D. Gehrz, E. Polomski, J. W. Beeman, & E. E. Haller. 154, 290 (2004)

**Name: Cepheus E**

Initial Results from The *Spitzer* Young Stellar Cluster Survey. S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio. 154, 367 (2004)

**Name: Gum Nebula**

Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey. James G. Ingalls, M. A. Miville-Deschénes, William T. Reach, A. Noriega-Crespo, Sean J. Carey, F. Boulanger, S. R. Stolovy, Deborah L. Padgett, M. J. Burgdorf, S. B. Fajardo-Acosta, W. J. Glaccum, G. Helou, D. W. Hoard, J. Karr, J. O'Linger, L. M. Rebull, J. Rho, J. R. Stauffer, & S. Wachter. 154, 281 (2004)

**NGC Number: NGC 7023**

New Infrared Emission Features and Spectral Variations in NGC 7023. M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry. 154, 309 (2004)

**NGC Number: NGC 7129**

Excitation of Molecular Material near the Young Stellar Object LkH $\alpha$  234 in NGC 7129. Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus. 154, 339 (2004)

Initial Results from The *Spitzer* Young Stellar Cluster Survey. S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio. 154, 367 (2004)

**Alphanumeric: DC 254.5-9.6**

Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey. James G. Ingalls, M. A. Miville-Deschénes, William T. Reach, A. Noriega-Crespo, Sean J. Carey, F. Boulanger, S. R. Stolovy, Deborah L. Padgett, M. J. Burgdorf, S. B. Fajardo-Acosta, W. J. Glaccum, G. Helou, D. W. Hoard, J. Karr, J. O'Linger, L. M. Rebull, J. Rho, J. R. Stauffer, & S. Wachter. 154, 281 (2004)

**Alphanumeric: DR 21**

DR 21: A Major Star Formation Site Revealed by *Spitzer*. A. P. Marston, W. T. Reach, A. Noriega-Crespo, J. Rho, H. A. Smith, G. Melnick, G. Fazio, G. Rieke, S. Carey, L. Rebull, J. Muzerolle, E. Egami, D. M. Watson, J. L. Pipher, W. B. Latter, & K. Stapelfeldt. 154, 333 (2004)

**Alphanumeric: HH 46-47**

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke. 154, 352 (2004)

**Alphanumeric: IC 1396A**

Protostars in the Elephant Trunk Nebula. *William T. Reach, Jeonghee Rho, Erick Young, James Muzerolle, Sergio Fajardo-Acosta, Lee Hartmann, Aurora Sicilia-Aguilar, Lori Allen, Sean Carey, Jean-Charles Cuillandre, Thomas H. Jarrett, Patrick Lowrance, Anthony Marston, Alberto Noriega-Crespo, & Robert L. Hurt.* 154, 385 (2004)

**Alphanumeric: L1014**

A "Starless" Core that Isn't: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*. *Chadwick H. Young, Jes K. Jørgensen, Yancy L. Shirley, Jens Kauffmann, Tracy Huard, Shih-Ping Lai, Chang Won Lee, Antonio Crapsi, Tyler L. Bourke, Cornelis P. Dullemond, Timothy Y. Brooke, Alicia Porras, William Spiesman, Lori E. Allen, Geoffrey A. Blake, Neal J. Evans II, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, Karl R. Stapelfeldt, Ewine F. van Dishoeck, Frank Bertoldi, Nicholas Chapman, Lucas Cieza, Christopher H. DeVries, Naomi A. Ridge, & Zahed Wahaj.* 154, 396 (2004)

**Alphanumeric: LDN 1228**

An Aggregate of Young Stellar Disks in Lynds 1228 South. *Deborah L. Padgett, L. M. Rebull, A. Noriega-Crespo, Sean J. Carey, Karl R. Stapelfeldt, John R. Stauffer, Martin J. Burgdorf, D. M. Cole, S. B. Fajardo-Acosta, D. T. Frayer, G. Helou, D. W. Hoard, J. Karr, W. B. Latter, P. J. Lowrance, J. O'Linger, F. Masci, S. Ramirez, W. T. Reach, Jeonghee Rho, S. R. Stolovy, & S. Wachter.* 154, 433 (2004)

**Alphanumeric: S140**

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio.* 154, 367 (2004)

**Alphanumeric: S171**

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio.* 154, 367 (2004)

**ISM: JETS AND OUTFLOWS**

DR 21: A Major Star Formation Site Revealed by *Spitzer*. *A. P. Marston, W. T. Reach, A. Noriega-Crespo, J. Rho, H. A. Smith, G. Melnick, G. Fazio, G. Rieke, S. Carey, L. Rebull, J. Muzerolle, E. Egami, D. M. Watson, J. L. Pipher, W. B. Latter, & K. Stapelfeldt.* 154, 333 (2004)

Excitation of Molecular Material near the Young Stellar Object LkH $\alpha$  234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 339 (2004)

Models for the Infrared Cavity of HH 46/47. *A. C. Raga, A. Noriega-Crespo, R. F. González, & P. F. Velázquez.* 154, 346 (2004)

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. *Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke.* 154, 352 (2004)

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martin, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

**ISM: LINES AND BANDS**

Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*. *G. G. Fazio, M. L. N. Ashby, P. Barmby, J. L. Hora, J. S. Huang, M. A. Pahre, Z. Wang, S. P. Willner, R. G. Arendt, S. H. Moseley, M. Brodwin, P. Eisenhardt, Daniel Stern, E. V. Tolstrup, & E. L. Wright.* 154, 39 (2004)

Polycyclic Aromatic Hydrocarbon Contribution to the Infrared Output Energy of the Universe at  $z \simeq 2$ . *G. Lagache, H. Dole, J. L. Puget, P. G. Pérez-González, E. Le Floch, G. H. Rieke, C. Papovich, E. Egami, A. Alonso-Herrero, C. W. Engelbracht, K. D. Gordon, K. A. Misselt, & J. E. Morrison.* 154, 112 (2004)

Spatial Distribution of Warm Dust in Early-Type Galaxies. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 235 (2004)

*Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0-0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio. *Daniel Devost, Bernhard R. Brandl, L. Armus, D. J. Barry, G. C. Sloan, Vassilis Charmandaris, Henrik Spoon, Jeronimo Bernard-Salas, & James R. Houck.* 154, 242 (2004)

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry.* 154, 271 (2004)

*Spitzer Space Telescope* View of Diffuse Near-Infrared Continuum Emission in the Galaxy. *Nanyao Lu.* 154, 286 (2004)

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

RCW 49 at Mid-Infrared Wavelengths: A GLIMPSE from the *Spitzer Space Telescope*. *E. Churchwell, B. A. Whitney, B. L. Babler, R. Indebetouw, M. R. Meade, Christer Watson, M. J. Wolff, M. G. Wolfire, T. M. Bania, R. A. Benjamin, D. P. Clemens, Martin Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, & S. R. Stolovy.* 154, 322 (2004)

**ISM: MOLECULES**

*Spitzer* Infrared Spectrograph (IRS) Mapping of the Inner Kiloparsec of NGC 253: Spatial Distribution of the Ne III, Polycyclic Aromatic Hydrocarbon 11.3 Micron, and H<sub>2</sub> (0-0) S(1) Lines and a Gradient in the Ne III/Ne II Line Ratio. *Daniel Devost, Bernhard R. Brandl, L. Armus, D. J. Barry, G. C. Sloan, Vassilis Charmandaris, Henrik Spoon, Jeronimo Bernard-Salas, & James R. Houck.* 154, 242 (2004)

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry.* 154, 309 (2004)

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. *Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke.* 154, 352 (2004)

*Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Adwin Boogert, Klaus M. Pontoppidan, Fred Luhuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheijde, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, & Karl R. Stapelfeldt.* 154, 359 (2004)

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martin, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle.* 154, 402 (2004)

An Aggregate of Young Stellar Disks in Lynds 1228 South. *Deborah L. Padgett, L. M. Rebull, A. Noriega-Crespo, Sean J. Carey, Karl R. Stapelfeldt, John R. Stauffer, Martin J. Burgdorf, D. M. Cole, S. B. Fajardo-Acosta, D. T. Frayer, G. Helou, D. W. Hoard, J. Karr, W. B. Latter, P. J. Lowrance, J. O'Linger, F. Masci, S. Ramirez, W. T. Reach, Jeonghee Rho, S. R. Stolovy, & S. Wachter.* 154, 433 (2004)

Studies of Extragalactic Formaldehyde and Radio Recombination Lines. *Esteban Araya, Willem A. Baan, & Peter Hofner.* 154, 541 (2004)

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz.* 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Olmi, & S. Kurtz.* 154, 579 (2004)

**ISM: PLANETARY NEBULAE: GENERAL**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346. *K. Y. L. Su, D. M. Kelly, W. B. Latter, K. A. Misselt, A. Frank, K. Volk, C. W. Engelbracht, K. D. Gordon, D. C. Hines, J. E. Morrison, J. Muzerolle, G. H. Rieke, J. A. Stansberry, & E. Young.* 154, 302 (2004)

**ISM: PLANETARY NEBULAE: INDIVIDUAL****NGC Number: NGC 246**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher.* 154, 296 (2004)

**NGC Number: NGC 650**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher*. 154, 296 (2004)

**NGC Number: NGC 2440**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher*. 154, 296 (2004)

**NGC Number: NGC 3132**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher*. 154, 296 (2004)

**NGC Number: NGC 6543**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher*. 154, 296 (2004)

**Alphanumeric: Hb 12**

Infrared Array Camera (IRAC) Observations of Planetary Nebulae. *Joseph L. Hora, William B. Latter, Lori E. Allen, Massimo Marengo, Lynne K. Deutsch, & Judith L. Pipher*. 154, 296 (2004)

**Alphanumeric: SMP 83**

*Spitzer* Infrared Spectrograph (IRS) Observations of the Large Magellanic Cloud Planetary Nebula SMP 83. *J. Bernard-Salas, J. R. Houck, P. W. Morris, G. C. Sloan, S. R. Pottasch, & D. J. Barry*. 154, 271 (2004)

**ISM: REFLECTION NEBULAE**

New Infrared Emission Features and Spectral Variations in NGC 7023. *M. W. Werner, K. I. Uchida, K. Sellgren, M. Marengo, K. D. Gordon, P. W. Morris, J. R. Houck, & J. A. Stansberry*. 154, 309 (2004)

Excitation of Molecular Material near the Young Stellar Object LkH<sub>α</sub> 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus*. 154, 339 (2004)

**ISM: STRUCTURE**

Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey. *James G. Ingalls, M. A. Miville-Deschénes, William T. Reach, A. Noriega-Crespo, Sean J. Carey, F. Boulanger, S. R. Stolovy, Deborah L. Padgett, M. J. Burgdorf, S. B. Fajardo-Acosta, W. J. Glaccum, G. Helou, D. W. Hoard, J. Karr, J. O'Linger, L. M. Rebull, J. Rho, J. R. Stauffer, & S. Wachter*. 154, 281 (2004)

**ISM: SUPERNOVA REMNANTS**

Imaging of the Supernova Remnant Cassiopeia A with the Multiband Imaging Photometer for *Spitzer* (MIPS). *D. C. Hines, G. H. Rieke, K. D. Gordon, J. Rho, K. A. Misselt, C. E. Woodward, M. W. Werner, O. Krause, W. B. Latter, C. W. Engelbracht, E. Egami, D. M. Kelly, J. Muzerolle, J. A. Stansberry, K. Y. L. Su, J. E. Morrison, E. T. Young, A. Noriega-Crespo, D. L. Padgett, R. D. Gehrz, E. Polomski, J. W. Beeman, & E. E. Haller*. 154, 290 (2004)

**LINE: IDENTIFICATION**

Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy. *J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo, D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kawley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thorne, F. Walter, & M. G. Wolfire*. 154, 199 (2004)

**METHODS: DATA ANALYSIS**

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck*. 154, 408 (2004)

The ACS Virgo Cluster Survey. II. Data Reduction Procedures. *Andrés Jordán, John P. Blakeslee, Eric W. Peng, Simona Mei, Patrick Côté, Laura Ferrarese, John L. Tonry, David Merritt, Miloš Milosavljević, & Michael J. West*. 154, 509 (2004)

The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. *B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Barret*. 154, 585 (2004)

**MINOR PLANETS, ASTEROIDS**

*Spitzer* Observations of the Dust Coma and Nucleus of 29P/Schwassmann-Wachmann 1. *J. A. Stansberry, J. Van Cleve, W. T. Reach, D. P. Cruikshank, J. P. Emery, Y. R. Fernandez, V. S. Meadows, K. Y. L. Su, K. Misselt, G. H. Rieke, E. T. Young, M. W. Werner, C. W. Engelbracht, K. D. Gordon, D. C. Hines, D. M. Kelly, J. E. Morrison, & J. Muzerolle*. 154, 463 (2004)

The *Spitzer* First Look Survey—Ecliptic Plane Component: Asteroids and Zodiacal Background. *V. S. Meadows, B. Bhattacharya, W. T. Reach, C. Grillmair, A. Noriega-Crespo, E. L. Ryan, S. R. Tyler, L. M. Rebull, J. D. Giorgini, & J. L. Elliot*. 154, 469 (2004)

**OCCULTATIONS**

The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. *B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Barret*. 154, 585 (2004)

**RADIO LINES: GALAXIES**

Studies of Extragalactic Formaldehyde and Radio Recombination Lines. *Esteban Araya, Willem A. Baan, & Peter Hofner*. 154, 541 (2004)

**RADIO LINES: ISM**

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz*. 154, 553 (2004)

A Search for H<sub>2</sub>CO 6 Centimeter Emission toward Young Massive Stellar Objects. *E. Araya, P. Hofner, H. Linz, M. Sewilo, C. Watson, E. Churchwell, L. Ohm, & S. Kurtz*. 154, 579 (2004)

**SPACE VEHICLES: INSTRUMENTS**

The *Spitzer Space Telescope* Mission. *M. W. Werner, T. L. Roellig, F. J. Low, G. H. Rieke, M. Rieke, W. F. Hoffman, E. Young, J. R. Houck, B. Brandl, G. G. Fazio, J. L. Hora, R. D. Gehrz, G. Helou, B. T. Soifer, J. Stauffer, J. Keene, P. Eisenhardt, D. Gallagher, T. N. Gautier, W. Irace, C. R. Lawrence, L. Simmons, J. E. van Cleve, M. Jura, E. L. Wright, & D. P. Cruikshank*. 154, 1 (2004)

The Infrared Array Camera (IRAC) for the *Spitzer Space Telescope*. *G. G. Fazio, J. L. Hora, L. E. Allen, M. L. N. Ashby, P. Barmby, L. K. Deutsch, J. S. Huang, S. Kleiner, M. Marengo, S. T. Megeath, G. J. Melnick, M. A. Pahre, B. M. Patten, J. Polizotti, H. A. Smith, R. S. Taylor, Z. Wang, S. P. Willner, W. F. Hoffman, J. L. Pipher, W. J. Forrest, C. W. McMurry, C. R. McCrae, M. E. McElveen, R. E. McMurray, D. G. Koch, S. H. Moseley, R. G. Arendt, J. E. Mentzell, C. T. Marx, P. Losch, P. Mayman, W. Eichhorn, D. Krebs, M. Jhabvala, D. Y. Gezari, D. J. Fixsen, J. Flores, K. Shakoorgzadeh, R. Jungo, C. Hakun, L. Workman, G. Karpati, R. Kichak, R. Whitley, S. Mann, E. V. Tollestrup, P. Eisenhardt, D. Stern, V. Gorjian, B. Bhattacharya, S. Carey, B. O. Nelson, W. J. Glaccum, M. Lucy, P. J. Lowrance, S. Laine, W. T. Reach, J. A. Stauffer, J. A. Surace, G. Wilson, E. L. Wright, A. Hoffman, G. Domingo, & M. Cohen*. 154, 10 (2004)

The Infrared Spectrograph (IRS) on the *Spitzer Space Telescope*. *J. R. Houck, T. L. Roellig, J. van Cleve, W. J. Forrest, T. Herter, C. R. Lawrence, K. Matthews, H. J. Reitsma, B. T. Soifer, D. M. Watson, D. Weedman, M. Huijen, J. Troeltzsch, D. J. Barry, J. Bernard-Salas, C. E. Blacken, B. R. Brandl, V. Charmandaris, D. Devost, G. E. Gull, P. Hall, C. P. Henderson, S. J. U. Higdon, B. E. Pirger, J. Schoenwald, G. C. Sloan, K. I. Uchida, P. N. Appleton, L. Armus, M. J. Burgdorf, S. B. Fajardo-Acosta, C. J. Grillmair, J. G. Ingalls, P. W. Morris, & H. I. Teplitz*. 154, 18 (2004)

The Multiband Imaging Photometer for *Spitzer* (MIPS). *G. H. Rieke, E. T. Young, C. W. Engelbracht, D. M. Kelly, F. J. Low, E. E. Haller, J. W. Beeman, K. D. Gordon, J. A. Stansberry, K. A. Misselt, J. Cadien, J. E. Morrison, G. Rivlis, W. B. Latter, A. Noriega-Crespo, D. L. Padgett, K. R. Stapelfeldt, D. C. Hines, E. Egami, J. Muzerolle, A. Alonso-Herrero, M. Blaylock, H. Dole, J. L. Hinz, E. Le Floc'h, C. Papovich, P. G. Pérez-González, P. S. Smith, K. Y. L. Su, L. Bennett, D. T. Frayer, D. Henderson, N. Lu, F. Masci, M. Pesenson, L. Rebull, J. Rho, J. Keene, S. Stolovy, S. Wachter, W. Wheaton, M. W. Werner, & P. L. Richards*. 154, 25 (2004)

**STARS: AGB AND POST-AGB**

The Period-Luminosity Relation for Long-Period Variables in M31. *Jeremy Mould, Abhijit Saha, & Shaun Hughes*. 154, 623 (2004)

The COBE DIRBE Point Source Catalog. *Beverly J. Smith, Stephan D. Price, & Rachel I. Baker*. 154, 673 (2004)

**STARS: ATMOSPHERES**

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). *L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck.* 154, 408 (2004)

*Spitzer Space Telescope* Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). *Patrick W. Morris, Paul A. Crowther, & Jim R. Houck.* 154, 413 (2004)

**STARS: CIRCUMSTELLAR MATTER**

Mid-Infrared Spectra of Class I Protostars in Taurus. *Dan M. Watson, F. Kemper, Nuria Calvet, Luke D. Keller, Elise Furlan, Lee Hartmann, W. J. Forrest, C. H. Chen, Keven I. Uchida, Joel D. Green, B. Sargent, G. C. Sloan, Terry L. Herter, Bernhard R. Brandl, J. R. Houck, J. Najita, Paola D'Alessio, P. C. Myers, D. J. Barry, P. Hall, & P. W. Morris.* 154, 391 (2004)

The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program. *M. R. Meyer, L. A. Hillenbrand, D. E. Backman, S. V. W. Beckwith, J. Bouwman, T. Y. Brooke, J. M. Carpenter, M. Cohen, U. Gorti, T. Henning, D. C. Hines, D. Hollenbach, J. S. Kim, J. Lunine, R. Malhotra, E. E. Mamajek, S. Metchev, A. Moro-Martín, P. Morris, J. Najita, D. L. Padgett, J. Rodmann, M. D. Silverstone, D. R. Soderblom, J. R. Stauffer, E. B. Stobie, S. E. Strom, D. M. Watson, S. J. Weidenschilling, S. Wolf, E. Young, C. W. Engelbracht, K. D. Gordon, K. Misselt, J. Morrison, J. Muzerolle, & K. Su.* 154, 422 (2004)

An Aggregate of Young Stellar Disks in Lynds 1228 South. *Deborah L. Padgett, L. M. Rebull, A. Noriega-Crespo, Sean J. Carey, Karl R. Stapelfeldt, John R. Stauffer, Martin J. Burgdorf, D. M. Cole, S. B. Fajardo-Acosta, D. T. Frayer, G. Helou, D. W. Hoard, J. Karr, W. B. Latter, P. J. Lowrance, J. O'Linger, F. Masci, S. Ramirez, W. T. Reach, Jeonghee Rho, S. R. Stolovy, & S. Wachter.* 154, 433 (2004)

The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association. *K. I. Uchida, N. Calvet, L. Hartmann, F. Kemper, W. J. Forrest, D. M. Watson, P. D'Alessio, C. H. Chen, E. Furlan, B. Sargent, B. R. Brandl, T. L. Herter, P. Morris, P. C. Myers, J. Najita, G. C. Sloan, D. J. Barry, J. Green, L. D. Keller, & P. Hall.* 154, 439 (2004)

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. *W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers.* 154, 443 (2004)

Mid-Infrared Spectra of Dust Debris around Main-Sequence Stars. *M. Jura, C. H. Chen, E. Furlan, J. Green, B. Sargent, W. J. Forrest, D. M. Watson, D. J. Barry, P. Hall, T. L. Herter, J. R. Houck, G. C. Sloan, K. Uchida, P. D'Alessio, B. R. Brandl, L. D. Keller, F. Kemper, P. Morris, J. Najita, N. Calvet, L. Hartmann, & P. C. Myers.* 154, 453 (2004)

First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*. *K. R. Stapelfeldt, E. K. Holmes, C. Chen, G. H. Rieke, K. Y. L. Su, D. C. Hines, M. W. Werner, C. A. Beichman, M. Jura, D. L. Padgett, J. A. Stansberry, G. Bendo, J. Cadien, M. Marengo, T. Thompson, T. Velusamy, C. Backus, M. Blaylock, E. Egami, C. W. Engelbracht, D. T. Frayer, K. D. Gordon, J. Keene, W. B. Latter, T. Megeath, K. Misselt, J. E. Morrison, J. Muzerolle, A. Noriega-Crespo, J. Van Cleve, & E. T. Young.* 154, 458 (2004)

**STARS: DISTANCES**

Discovery of a Distant Star Formation Region Using GLIMPSE. *E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell.* 154, 328 (2004)

**STARS: FORMATION**

Number Counts at  $3 \mu\text{m} < \lambda < 10 \mu\text{m}$  from the *Spitzer Space Telescope*. *G. G. Fazio, M. L. N. Ashby, P. Barmby, J. L. Hora, J. S. Huang, M. A. Pahre, Z. Wang, S. P. Willner, R. G. Arendt, S. H. Moseley, M. Brodwin, P. Eisenhardt, Daniel Stern, E. V. Tollestrup, & E. L. Wright.* 154, 39 (2004)

The Off-Nuclear Starbursts in NGC 4038/4039 (The Antennae Galaxies). *Z. Wang, G. G. Fazio, M. L. N. Ashby, J. S. Huang, M. A. Pahre, H. A. Smith, S. P. Willner, W. J. Forrest, J. L. Pipher, & J. A. Surace.* 154, 193 (2004)

Spatial Distribution of Warm Dust in Early-Type Galaxies. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 229 (2004)

Mid-Infrared Galaxy Morphology along the Hubble Sequence. *Michael A. Pahre, M. L. N. Ashby, G. G. Fazio, & S. P. Willner.* 154, 235 (2004)

The Anatomy of Star Formation in NGC 300. *G. Helou, H. Roussel, P. Appleton, D. Frayer, S. Stolovy, L. Storrie-Lombardi, R. Hurt, P. Lowrance, D. Makovoz, F. Masci, J. Surace, K. D. Gordon, A. Alonso-Herrero, C. W. Engelbracht, K. Misselt, G. Rieke, M. Rieke, S. P. Willner, M. Pahre, M. L. N. Ashby, G. G. Fazio, & H. A. Smith.* 154, 253 (2004)

A GLIMPSE of Star Formation in the Giant H II Region RCW 49. *B. A. Whitney, R. Indebetouw, B. L. Babler, M. R. Meade, C. Watson, M. J. Wolff, M. G. Wolfire, D. P. Clemens, T. M. Bania, R. A. Benjamin, M. Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, S. R. Stolovy, & E. Churchwell.* 154, 315 (2004)

Discovery of a Distant Star Formation Region Using GLIMPSE. *E. P. Mercer, D. P. Clemens, T. M. Bania, J. M. Jackson, J. M. Rathborne, R. Y. Shah, B. L. Babler, R. Indebetouw, M. R. Meade, C. Watson, B. A. Whitney, M. J. Wolff, M. G. Wolfire, R. A. Benjamin, M. Cohen, J. M. Dickey, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, J. R. Stauffer, S. R. Stolovy, & E. B. Churchwell.* 154, 328 (2004)

DR 2: A Major Star Formation Site Revealed by *Spitzer*. *A. P. Marston, W. T. Reach, A. Noriega-Crespo, J. Rho, H. A. Smith, G. Melnick, G. Fazio, G. Rieke, S. Carey, L. Rebull, J. Muzerolle, E. Egami, D. M. Watson, J. L. Pipher, W. B. Latter, & K. Stapelfeldt.* 154, 333 (2004)

A New Look at Stellar Outflows: *Spitzer* Observations of the HH 46/47 System. *Alberto Noriega-Crespo, Patrick Morris, Francine R. Marleau, Sean Carey, Adwin Boogert, Ewine van Dishoeck, Neal J. Evans II, Jocelyn Keene, James Muzerolle, Karl Stapelfeldt, Klaus Pontoppidan, Patrick Lowrance, Lori Allen, & Tyler L. Bourke.* 154, 352 (2004)

*Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Adwin Boogert, Klaus M. Pontoppidan, Fred Lahuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheijde, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, & Karl R. Stapelfeldt.* 154, 359 (2004)

Infrared Array Camera (IRAC) Colors of Young Stellar Objects. *Lori E. Allen, Nuria Calvet, Paola D'Alessio, Bruno Merin, Lee Hartmann, S. Thomas Megeath, Robert A. Gutermuth, James Muzerolle, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 363 (2004)

Initial Results from the *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio.* 154, 367 (2004)

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio.* 154, 374 (2004)

The 24 Micron View of Embedded Star Formation in NGC 7129. *J. Muzerolle, S. T. Megeath, R. A. Gutermuth, L. E. Allen, J. L. Pipher, L. Hartmann, K. D. Gordon, D. L. Padgett, A. Noriega-Crespo, P. C. Myers, G. G. Fazio, G. H. Rieke, E. T. Young, J. E. Morrison, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, & K. A. Misselt.* 154, 379 (2004)

Mid-Infrared Spectra of Class I Protostars in Taurus. *Dan M. Watson, F. Kemper, Nuria Calvet, Luke D. Keller, Elise Furlan, Lee Hartmann, W. J. Forrest, C. H. Chen, Keven I. Uchida, Joel D. Green, B. Sargent, G. C. Sloan, Terry L. Herter, Bernhard R. Brandl, J. R. Houck, J. Najita, Paola D'Alessio, P. C. Myers, D. J. Barry, P. Hall, & P. W. Morris.* 154, 391 (2004)

A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*. *Chadwick H. Young, Jes K. Jørgensen, Yancy L. Shirley, Jens Kauffmann, Tracy Huard, Shih-Ping Lai, Chang Won Lee, Antonio Crapsi, Tyler L. Bourke, Cornelis P. Dullemond, Timothy Y. Brooke, Alicia Porras, William Spiesman, Lori E. Allen, Geoffrey A. Blake, Neal J. Evans II, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, Karl R. Stapelfeldt, Ewine F. van Dishoeck, Frank Bertoldi, Nicholas Chapman, Lucas Cieza, Christopher H. DeVries, Naomi A. Ridge, & Zahed Wahhaj.* 154, 396 (2004)

Is the Cepheus E Outflow Driven by a Class O Protostar? *Alberto Noriega-Crespo, Amaya Moro-Martín, Sean Carey, Patrick W. Morris, Deborah L. Padgett, William B. Latter, & James Muzerolle*. 154, 402 (2004)

The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association. *K. I. Uchida, N. Calvet, L. Hartmann, F. Kemper, W. J. Forrest, D. M. Watson, P. D'Alessio, C. H. Chen, E. Furlan, B. Sargent, B. R. Brandl, T. L. Herter, P. Morris, P. C. Myers, J. Najita, G. C. Sloan, D. J. Barry, J. Green, L. D. Keller, & P. Hall*. 154, 439 (2004)

Resolution of Distance Ambiguity of Inner Galaxy Massive Star Formation Regions. II. *M. Sewilo, C. Watson, E. Araya, E. Churchwell, P. Hofner, & S. Kurtz*. 154, 553 (2004)

## STARS: HORIZONTAL-BRANCH

The RR Lyrae Period-Luminosity Relation. I. Theoretical Calibration. *M. Catelan, Barton J. Pritzl, & Horace A. Smith*. 154, 633 (2004)

## STARS: INDIVIDUAL

### Constellation Name: CoKu Tauri/4

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. *W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers*. 154, 443 (2004)

### Henry Draper Number: HD 50896

*Spitzer Space Telescope* Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). *Patrick W. Morris, Paul A. Crowther, & Jim R. Houck*. 154, 413 (2004)

### Name: Fomalhaut

First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*. *K. R. Stapelfeldt, E. K. Holmes, C. Chen, G. H. Rieke, K. Y. L. Su, D. C. Hines, M. W. Werner, C. A. Beichman, M. Jura, D. L. Padgett, J. A. Stansberry, G. Bendo, J. Cadien, M. Marengo, T. Thompson, T. Velusamy, C. Backus, M. Blaylock, E. Egami, C. W. Engelbracht, D. T. Frayer, K. D. Gordon, J. Keene, W. B. Latter, T. Megeath, K. Misselt, J. E. Morrison, J. Muzerolle, A. Noriega-Crespo, J. Van Cleve, & E. T. Young*. 154, 458 (2004)

### Alphanumerie: B5 IRS 1

*Spitzer Space Telescope* Spectroscopy of Ices toward Low-Mass Embedded Protostars. *A. C. Adwin Boogert, Klaus M. Pontoppidan, Fred Lahuis, Jes K. Jørgensen, Jean-Charles Augereau, Geoffrey A. Blake, Timothy Y. Brooke, Joanna Brown, C. P. Dullemond, Neal J. Evans II, Vincent Geers, Michiel R. Hogerheide, Jacqueline Kessler-Silacci, Claudia Knez, Pat Morris, Alberto Noriega-Crespo, Fredrik L. Schöier, Ewine F. van Dishoeck, Lori E. Allen, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, & Karl R. Stapelfeldt*. 154, 359 (2004)

## STARS: LOW-MASS, BROWN DWARFS

A “Starless” Core that Isn’t: Detection of a Source in the L1014 Dense Core with the *Spitzer Space Telescope*. *Chadwick H. Young, Jes K. Jørgensen, Yancy L. Shirley, Jens Kauffmann, Tracy Huard, Shih-Ping Lai, Chang Won Lee, Antonio Crapsi, Tyler L. Bourke, Cornelis P. Dullemond, Timothy Y. Brooke, Alicia Porras, William Spiesman, Lori E. Allen, Geoffrey A. Blake, Neal J. Evans II, Paul M. Harvey, David W. Koerner, Lee G. Mundy, Philip C. Myers, Deborah L. Padgett, Anneila I. Sargent, Karl R. Stapelfeldt, Ewine F. van Dishoeck, Frank Bertoldi, Nicholas Chapman, Lucas Cieza, Christopher H. DeVries, Naomi A. Ridge, & Zahed Wahhaj*. 154, 396 (2004)

*Spitzer* Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs. *T. L. Roellig, J. E. Van Cleve, G. C. Sloan, J. C. Wilson, D. Saumon, S. K. Leggett, M. S. Marley, M. C. Cushing, J. D. Kirkpatrick, A. K. Mainzer, & J. R. Houck*. 154, 418 (2004)

## STARS: MASS LOSS

High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346. *K. Y. L. Su, D. M. Kelly, W. B. Latter, K. A. Misselt, A. Frank, K. Volk, C. W. Engelbracht, K. D. Gordon, D. C. Hines, J. E. Morrison, J. Muzerolle, G. H. Rieke, J. A. Stansberry, & E. Young*. 154, 302 (2004)

An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the FUSE Satellite. *Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn*. 154, 651 (2004)

## STARS: PLANETARY SYSTEMS

First Look at the Fomalhaut Debris Disk with the *Spitzer Space Telescope*. *K. R. Stapelfeldt, E. K. Holmes, C. Chen, G. H. Rieke, K. Y. L. Su, D. C. Hines, M. W. Werner, C. A. Beichman, M. Jura, D. L. Padgett, J. A. Stansberry, G. Bendo, J. Cadien, M. Marengo, T. Thompson, T. Velusamy, C. Backus, M. Blaylock, E. Egami, C. W. Engelbracht, D. T. Frayer, K. D. Gordon, J. Keene, W. B. Latter, T. Megeath, K. Misselt, J. E. Morrison, J. Muzerolle, A. Noriega-Crespo, J. Van Cleve, & E. T. Young*. 154, 458 (2004)

## STARS: PLANETARY SYSTEMS: PROTOPLANETARY DISKS

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio*. 154, 367 (2004)

The Formation and Evolution of Planetary Systems: First Results from a *Spitzer* Legacy Science Program. *M. R. Meyer, L. A. Hillenbrand, D. E. Backman, S. V. W. Beckwith, J. Bouwman, T. Y. Brooke, J. M. Carpenter, M. Cohen, U. Gorti, T. Henning, D. C. Hines, D. Hollenbach, J. S. Kim, J. Lunine, R. Malhotra, E. E. Mamajek, S. Metchev, A. Moro-Martín, P. Morris, J. Najita, D. L. Padgett, J. Rodmann, M. D. Silverstone, D. R. Soderblom, J. R. Stauffer, E. B. Stobie, S. E. Strom, D. M. Watson, S. J. Weidenschilling, S. Wolf, E. Young, C. W. Engelbracht, K. D. Gordon, K. Misselt, J. Morrison, J. Muzerolle, & K. Su*. 154, 422 (2004)

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. *W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers*. 154, 443 (2004)

New Debris-Disk Candidates: 24 Micron Stellar Excesses at 100 Million Years. *Nadya Gorlova, Deborah L. Padgett, George H. Rieke, James Muzerolle, Jane E. Morrison, Karl D. Gordon, Chad W. Engelbracht, Dean C. Hines, Joannah C. Hinz, Alberto Noriega-Crespo, Luisa Rebull, John A. Stansberry, Karl R. Stapelfeldt, Kate Y. L. Su, & Erick T. Young*. 154, 448 (2004)

## STARS: PRE-MAIN-SEQUENCE

A GLIMPSE of Star Formation in the Giant H II Region RCW 49. *B. A. Whitney, R. Indebetouw, B. L. Babler, M. R. Meade, C. Watson, M. J. Wolff, M. G. Wolfire, D. P. Clemens, T. M. Bania, R. A. Benjamin, M. Cohen, K. E. Devine, J. M. Dickey, F. Heitsch, J. M. Jackson, H. A. Kobulnicky, A. P. Marston, J. S. Mathis, E. P. Mercer, J. R. Stauffer, S. R. Stolovy, & E. Churchwell*. 154, 315 (2004)

Excitation of Molecular Material near the Young Stellar Object LkHα 234 in NGC 7129. *Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus*. 154, 339 (2004)

Infrared Array Camera (IRAC) Colors of Young Stellar Objects. *Lori E. Allen, Nuria Calvet, Paola D'Alessio, Bruno Merin, Lee Hartmann, S. Thomas Megeath, Robert A. Gutermuth, James Muzerolle, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio*. 154, 363 (2004)

Initial Results from The *Spitzer* Young Stellar Cluster Survey. *S. T. Megeath, L. E. Allen, R. A. Gutermuth, J. L. Pipher, P. C. Myers, N. Calvet, L. Hartmann, J. Muzerolle, & G. G. Fazio*. 154, 367 (2004)

The NGC 7129 Young Stellar Cluster: A Combined *Spitzer*, MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. *Robert A. Gutermuth, S. Thomas Megeath, James Muzerolle, Lori E. Allen, Judith L. Pipher, Philip C. Myers, & Giovanni G. Fazio*. 154, 374 (2004)

The 24 Micron View of Embedded Star Formation in NGC 7129. *J. Muzerolle, S. T. Megeath, R. A. Gutermuth, L. E. Allen, J. L. Pipher, L. Hartmann, K. D. Gordon, D. L. Padgett, A. Noriega-Crespo, P. C. Myers, G. G. Fazio, G. H. Rieke, E. T. Young, J. E. Morrison, D. C. Hines, K. Y. L. Su, C. W. Engelbracht, & K. A. Misselt*. 154, 379 (2004)

Mid-Infrared Spectra of Class I Protostars in Taurus. *Dan M. Watson, F. Kemper, Nuria Calvet, Luke D. Keller, Elise Furlan, Lee Hartmann, W. J. Forrest, C. H. Chen, Keven I. Uchida, Joel D. Green, B. Sargent, G. C. Sloan, Terry L. Herter, Bernhard R. Brandl, J. R. Houck, J. Najita, Paola D'Alessio, P. C. Myers, D. J. Barry, P. Hall, & P. W. Morris*. 154, 391 (2004)

*Spitzer* Observations of NGC 2547: The Disk Population at 25 Million Years. *E. T. Young, C. J. Lada, P. Teixeira, J. Muzerolle, A. Muench, J. Stauffer, C. A. Beichman, G. H. Rieke, D. C. Hines, K. Y. L. Su, C. W. Engelbracht*.

K. D. Gordon, K. Misselt, J. Morrison, J. Stansberry, & D. Kelly. 154, 428 (2004)

The State of Protoplanetary Material 10 Million Years after Stellar Formation: Circumstellar Disks in the TW Hydrae Association. K. I. Uchida, N. Calvet, L. Hartmann, F. Kemper, W. J. Forrest, D. M. Watson, P. D'Alessio, C. H. Chen, E. Furlan, B. Sargent, B. R. Brandl, T. L. Herter, P. Morris, P. C. Myers, J. Najita, G. C. Sloan, D. J. Barry, J. Green, L. D. Keller, & P. Hall. 154, 439 (2004)

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers. 154, 443 (2004)

**STARS: VARIABLES: OTHER**

Mid-Infrared Spectroscopy of Disks around Classical T Tauri Stars. W. J. Forrest, B. Sargent, E. Furlan, P. D'Alessio, N. Calvet, L. Hartmann, K. I. Uchida, J. D. Green, D. M. Watson, C. H. Chen, F. Kemper, L. D. Keller, G. C. Sloan, T. L. Herter, B. R. Brandl, J. R. Houck, D. J. Barry, P. Hall, P. W. Morris, J. Najita, & P. C. Myers. 154, 443 (2004)

The Period-Luminosity Relation for Long-Period Variables in M31. Jeremy Mould, Abhijit Saha, & Shaun Hughes. 154, 623 (2004)

The RR Lyrae Period-Luminosity Relation. I. Theoretical Calibration. M. Catelan, Barton J. Pritzl, & Horace A. Smith. 154, 633 (2004)

The COBE DIRBE Point Source Catalog. Beverly J. Smith, Stephan D. Price, & Rachel I. Baker. 154, 673 (2004)

**STARS: WINDS, OUTFLOWS**

High Spatial Resolution Mid- and Far-Infrared Imaging Study of NGC 2346. K. Y. L. Su, D. M. Kelly, W. B. Latter, K. A. Misselt, A. Frank, K. Volk, C. W. Engelbracht, K. D. Gordon, D. C. Hines, J. E. Morrison, J. Muzerolle, G. H. Rieke, J. A. Stansberry, & E. Young. 154, 302 (2004)

**STARS: WOLF-RAYET**

An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn. 154, 651 (2004)

**SUBMILLIMETER**

Submillimeter Detections of *Spitzer Space Telescope* Galaxy Populations. S. Serjeant, A. M. J. Mortier, R. J. Ivison, E. Egami, G. H. Rieke, S. P. Willner, D. Rigopoulou, A. Alonso-Herrero, P. Barmby, L. Bei, H. Dole, C. W. Engelbracht, G. G. Fazio, E. Le Floc'h, K. D. Gordon, T. R. Greve, D. C. Hines, J. S. Huang, K. A. Misselt, S. Miyazaki, J. E. Morrison, C. Papovich, P. G. Pérez-González, M. J. Rieke, J. Rigby, & G. Wilson. 154, 118 (2004)

Imaging of High-Redshift Submillimeter Galaxies at 16 and 22 Micron with the *Spitzer Infrared Spectrograph* (IRS) Peak-up Cameras: Revealing a Population at  $z > 2.5$ . V. Charmandaris, K. I. Uchida, D. Weedman, T. Herter, J. R. Houck, H. I. Teplitz, L. Armus, B. R. Brandl, S. J. U. Higdon, B. T. Soifer, P. N. Appleton, J. van Cleve, & J. L. Higdon. 154, 142 (2004)

**SURVEYS**

Infrared Array Camera (IRAC) Imaging of the Lockman Hole. J. S. Huang, P. Barmby, G. G. Fazio, S. P. Willner, G. Wilson, D. Rigopoulou, A. Alonso-Herrero, H. Dole, E. Egami, E. Le Floc'h, C. Papovich, P. G. Pérez-González, J. Rigby, C. W. Engelbracht, K. Gordon, D. Hines, M. Rieke, G. H. Rieke, K. Meisenheimer, & S. Miyazaki. 154, 44 (2004)

The Infrared Array Camera (IRAC) Shallow Survey. P. R. Eisenhardt, D. Stern, M. Brodwin, G. G. Fazio, G. H. Rieke, M. J. Rieke, M. W. Werner, E. L. Wright, L. E. Allen, R. G. Arendt, M. L. N. Ashby, P. Barmby, W. J. Forrest, J. L. Hora, J. S. Huang, J. Huchra, M. A. Pahre, J. L. Pipher, W. T. Reach, H. A. Smith, J. R. Stauffer, Z. Wang, S. P. Willner, M. J. I. Brown, A. Dey, B. T. Jannuzi, & G. P. Tiede. 154, 48 (2004)

Characterization of Extragalactic 24 Micron Sources in the *Spitzer* First Look Survey. Lin Yan, George Helou, D. Fadda, F. R. Marleau, M. Lucy, G. Wilson, B. T. Soifer, I. Dordzovsky, F. Masci, L. Armus, H. I. Teplitz, D. T. Frayer, J. Surace, L. J. Storrie-Lombardi, P. N. Appleton, S. Chapman, P. Choi, F. Fan, I. Heinrichsen, M. Im, M. Schmitz, D. L. Shupe, & G. K. Squires. 154, 60 (2004)

GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction. N. Pirzkal, C. Xu, S. Malhotra, J. E. Rhoads, A. M. Koekemoer, L. A. Moustakas, J. R. Walsh, R. A. Windhorst, E. Daddi, A. Cimatti, H. C. Ferguson, Jonathan P. Gardner, C. Gronwall, Z. Haiman, M. Kümmel, N. Panagia, A. Pasquali, M. Stiavelli, S. di Serego Alighieri, Z. Tsvetanov, J. Vernet, & H. Yan. 154, 501 (2004)

The ACS Virgo Cluster Survey. II. Data Reduction Procedures. Andrés Jordán, John P. Blakeslee, Eric W. Peng, Simona Mei, Patrick Côté, Laura Ferrarese, John L. Tonry, David Merritt, Miloš Milosavljević, & Michael J. West. 154, 509 (2004)

The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu. 154, 519 (2004)

The Bures and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Barret. 154, 585 (2004)

**TECHNIQUES: IMAGE PROCESSING**

The ACS Virgo Cluster Survey. II. Data Reduction Procedures. Andrés Jordán, John P. Blakeslee, Eric W. Peng, Simona Mei, Patrick Côté, Laura Ferrarese, John L. Tonry, David Merritt, Miloš Milosavljević, & Michael J. West. 154, 509 (2004)

**TECHNIQUES: SPECTROSCOPIC**

*Spitzer* Infrared Spectrograph (IRS) Observations of the Redshift 3.91 Quasar 154 08279+5255. B. T. Soifer, V. Charmandaris, B. R. Brandl, L. Armus, P. N. Appleton, M. J. Burgdorff, D. Devost, T. Herter, S. J. U. Higdon, J. L. Higdon, J. R. Houck, C. R. Lawrence, P. W. Morris, H. I. Teplitz, K. I. Uchida, J. van Cleve, & D. Weedman. 154, 151 (2004)

Mid-Infrared Infrared Spectrograph (IRS) Spectroscopy of NGC 7331: A First Look at the *Spitzer* Infrared Nearby Galaxies Survey (SINGS) Legacy. J. D. T. Smith, D. A. Dale, L. Armus, B. T. Draine, D. J. Hollenbach, H. Roussel, G. Helou, R. C. Kennicutt, Jr., A. Li, G. J. Bendo, D. Calzetti, C. W. Engelbracht, K. D. Gordon, T. H. Jarrett, L. Kewley, C. Leitherer, S. Malhotra, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, M. D. Thornley, F. Walter, & M. G. Wolfire. 154, 199 (2004)

MARCS: Model Stellar Atmospheres and Their Application to the Photometric Calibration of the *Spitzer Space Telescope* Infrared Spectrograph (IRS). L. Decin, P. W. Morris, P. N. Appleton, V. Charmandaris, L. Armus, & J. R. Houck. 154, 408 (2004)

*Spitzer Space Telescope* Infrared Spectrograph (IRS) Spectroscopy of the Prototype Wolf-Rayet Star EZ Canis Majoris (HD 50896). Patrick W. Morris, Paul A. Crowther, & Jim R. Houck. 154, 413 (2004)

GRAPES, Grism Spectroscopy of the Hubble Ultra Deep Field: Description and Data Reduction. N. Pirzkal, C. Xu, S. Malhotra, J. E. Rhoads, A. M. Koekemoer, L. A. Moustakas, J. R. Walsh, R. A. Windhorst, E. Daddi, A. Cimatti, H. C. Ferguson, Jonathan P. Gardner, C. Gronwall, Z. Haiman, M. Kümmel, N. Panagia, A. Pasquali, M. Stiavelli, S. di Serego Alighieri, Z. Tsvetanov, J. Vernet, & H. Yan. 154, 501 (2004)

**TELESCOPES**

The *Spitzer Space Telescope* Mission. M. W. Werner, T. L. Roellig, F. J. Low, G. H. Rieke, M. Rieke, W. F. Hoffman, E. Young, J. R. Houck, B. Brandl, G. G. Fazio, J. L. Hora, R. D. Gehrz, G. Helou, B. T. Soifer, J. Stauffer, J. Keene, P. Eisenhardt, D. Gallagher, T. N. Gautier, W. Irace, C. R. Lawrence, L. Simmons, J. E. van Cleve, M. Jura, E. L. Wright, & D. P. Cruikshank. 154, 1 (2004)

**TURBULENCE**

Structure and Colors of Diffuse Emission in the *Spitzer* Galactic First Look Survey. James G. Ingalls, M. A. Miville-Deschénes, William T. Reach, A. Noriega-Crespo, Sean J. Carey, F. Boulanger, S. R. Stolovy, Deborah L. Padgett, M. J. Burgdorff, S. B. Fajardo-Acosta, W. J. Glaccum, G. Helou, D. W. Hoard, J. Karr, J. O'Linger, L. M. Rebull, J. Rho, J. R. Stauffer, & S. Wachter. 154, 281 (2004)

**ULTRAVIOLET: STARS**

An Atlas of Far-Ultraviolet Spectra of Wolf-Rayet Stars from the *FUSE* Satellite. Allan J. Willis, Paul A. Crowther, Alex W. Fullerton, John B. Hutchings, George Sonneborn, Ken Brownsberger, Derck L. Massa, & Nolan R. Walborn. 154, 651 (2004)

**X-RAYS: BINARIES**

The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu. 154, 519 (2004)

**X-RAYS: GALAXIES**

The Nature of Luminous X-Ray Sources with Mid-Infrared Counterparts. A. Alonso-Herrero, P. G. Pérez-González, J. Rigby, G. H. Rieke, E. Le

*Floc'h, P. Barmby, M. J. Page, C. Papovich, H. Dole, E. Egami, J. S. Huang, D. Rigopoulou, D. Cristóbal-Hornillo, C. Eliche-Moral, M. Balcells, M. Prieto, P. Erwin, C. W. Engelbracht, K. D. Gordon, M. Werner, S. P. Willner, G. G. Fazio, D. Hines, D. Kelly, W. Latter, K. Misselt, S. Miyazaki, J. Morrison, M. J. Rieke, G. Wilson, Patrick W. Morris, Alberto Noriega-Crespo, Francine R. Marleau, Harry I. Teplitz, Keven I. Uchida, & Lee Armus.* 154, 155 (2004)

24 Micron Properties of X-Ray-selected Active Galactic Nuclei. *J. R. Rigby, G. H. Rieke, R. Maiolino, R. Gilli, C. Papovich, P. G. Pérez-González, A. Alonso-Herrero, E. Le Floc'h, C. W. Engelbracht, K. Gordon, D. C. Hines, J. L. Hinz, J. E. Morrison, J. Muzerolle, M. J. Rieke, & K. Y. L. Su.* 154, 160 (2004)

The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. *Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu.* 154, 519 (2004)

**X-RAYS: GENERAL**

The Ultraluminous X-Ray Source Population from the *Chandra* Archive of Galaxies. *Douglas A. Swartz, Kajal K. Ghosh, Allyn F. Tennant, & Kinwah Wu.* 154, 519 (2004)

**X-RAYS: STARS**

The Burst and Transient Source Experiment (BATSE) Earth Occultation Catalog of Low-Energy Gamma-Ray Sources. *B. A. Harmon, C. A. Wilson, G. J. Fishman, V. Connaughton, W. Henze, W. S. Paciesas, M. H. Finger, M. L. McCollough, M. Saha, B. Peterson, C. R. Shrader, J. E. Grindlay, & D. Barret.* 154, 585 (2004)